

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054329.D
 Acq On : 16 Mar 2019 00:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:09:33 AM

Quant Time: Mar 16 05:06:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1349319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2069839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1813491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	842927	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	728906	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.59	113	680139	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.09	98	2445599	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	841264	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	616914	48.241	ug/l	98
3) Chloromethane	2.06	50	599155	48.233	ug/l	100
4) Vinyl Chloride	2.19	62	668882	47.111	ug/l	99
5) Bromomethane	2.57	94	387170	39.373	ug/l	97
6) Chloroethane	2.71	64	410100	47.739	ug/l	99
7) Trichlorofluoromethane	3.02	101	861297	45.627	ug/l	100
8) Diethyl Ether	3.41	74	465018	54.058	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	694120	49.070	ug/l	99
10) Methyl Iodide	3.94	142	953781	47.554	ug/l	98
11) Tert butyl alcohol	4.82	59	263455	268.183	ug/l	98
12) 1,1-Dichloroethene	3.73	96	711545	50.760	ug/l	97
13) Acrolein	3.61	56	178223	191.456	ug/l	99
14) Allyl chloride	4.31	41	857804	47.694	ug/l	99
15) Acrylonitrile	4.99	53	1172240	290.497	ug/l	100
16) Acetone	3.82	43	837509	204.124	ug/l	99
17) Carbon Disulfide	4.04	76	1542496	43.895	ug/l	99
18) Methyl Acetate	4.33	43	539400	64.980	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1877580	54.037	ug/l	99
20) Methylene Chloride	4.54	84	761123	56.496	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	677499	50.443	ug/l	99
22) Diisopropyl ether	5.96	45	1908823	53.177	ug/l	96
23) Vinyl Acetate	5.90	43	7031202	265.667	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1181733	51.273	ug/l	100
25) 2-Butanone	6.85	43	1360110	282.438	ug/l	99
26) 2,2-Dichloropropane	6.82	77	658661	32.497	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	796322	53.145	ug/l	95
28) Bromochloromethane	7.19	49	481159	51.066	ug/l	95
29) Tetrahydrofuran	7.22	42	901631	291.200	ug/l	98
30) Chloroform	7.37	83	1268878	52.759	ug/l	99
31) Cyclohexane	7.65	56	1025260	47.519	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1107068	50.968	ug/l	100
36) 1,1-Dichloropropene	7.79	75	947054	49.684	ug/l	99
37) Ethyl Acetate	6.94	43	595767	54.396	ug/l	99
38) Carbon Tetrachloride	7.77	117	963219	48.187	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054329.D
 Acq On : 16 Mar 2019 00:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:09:33 AM

Quant Time: Mar 16 05:06:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1050907	44.809	ug/l	98
40) Benzene	8.04	78	2823461	51.763	ug/l	100
41) Methacrylonitrile	7.18	41	321082	51.344	ug/l	94
42) 1,2-Dichloroethane	8.13	62	944264	51.275	ug/l	99
43) Isopropyl Acetate	8.17	43	1026199	53.379	ug/l	98
44) Trichloroethene	8.83	130	857745	50.620	ug/l	99
45) 1,2-Dichloropropane	9.12	63	710268	52.440	ug/l	99
46) Dibromomethane	9.21	93	485074	53.006	ug/l	99
47) Bromodichloromethane	9.40	83	958456	52.243	ug/l	98
48) Methyl methacrylate	9.20	41	548341	56.204	ug/l	97
49) 1,4-Dioxane	9.21	88	164584	1192.638	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3030795	297.902	ug/l	99
52) Toluene	10.16	92	1801987	52.102	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	885168	42.495	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1031867	48.266	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	697003	55.192	ug/l	99
56) Ethyl methacrylate	10.43	69	859727	57.094	ug/l	96
57) 1,3-Dichloropropane	10.71	76	1113284	53.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1616456	247.608	ug/l	100
59) 2-Hexanone	10.75	43	1916387	283.087	ug/l	98
60) Dibromochloromethane	10.90	129	744064	52.346	ug/l	99
61) 1,2-Dibromoethane	11.01	107	705633	54.984	ug/l	100
64) Tetrachloroethene	10.63	164	853002	48.649	ug/l	99
65) Chlorobenzene	11.44	112	2069706	51.977	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	766911	53.017	ug/l	99
67) Ethyl Benzene	11.51	91	3364314	50.969	ug/l	99
68) m/p-Xylenes	11.62	106	2644544	102.507	ug/l	99
69) o-Xylene	11.95	106	1312373	52.183	ug/l	99
70) Styrene	11.96	104	2079216	52.715	ug/l	99
71) Bromoform	12.13	173	509674	46.399	ug/l	100
73) Isopropylbenzene	12.25	105	3411924	50.592	ug/l	100
74) N-amyl acetate	12.07	43	836900	55.908	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	828916	57.690	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	685930m	55.336	ug/l	
77) Bromobenzene	12.53	156	944953	52.952	ug/l	97
78) n-propylbenzene	12.59	91	3640590	49.751	ug/l	100
79) 2-Chlorotoluene	12.68	91	2229251	50.666	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2772814	49.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158631	43.747	ug/l	95
82) 4-Chlorotoluene	12.77	91	2214967	50.416	ug/l	100
83) tert-Butylbenzene	12.99	119	2529471	48.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2797936	50.842	ug/l	100
85) sec-Butylbenzene	13.17	105	3166875	47.295	ug/l	100
86) p-Isopropyltoluene	13.29	119	2759327	46.972	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1544517	51.364	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1501422	50.827	ug/l	100
89) n-Butylbenzene	13.62	91	2075904	46.509	ug/l	100
90) Hexachloroethane	13.88	117	446061	45.857	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1553425	52.844	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	122046	54.891	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
Data File : VN054329.D
Acq On : 16 Mar 2019 00:13
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
3/16/2019 11:09:33 AM

Quant Time: Mar 16 05:06:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	789241	44.749	ug/l	99
94) Hexachlorobutadiene	15.01	225	449339	40.130	ug/l	99
95) Naphthalene	15.13	128	1790904	48.549	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	799023	51.157	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054329.D
 Acq On : 16 Mar 2019 00:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:09:33 AM

Quant Time: Mar 16 05:06:42 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

