

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111518\
 Data File : VN052330.D
 Acq On : 15 Nov 2018 8:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 4:06:47 PM

Quant Time: Nov 16 02:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	281745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	463134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	418817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193545	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	187620	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.59	113	147887	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.09	98	579952	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	197603	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	154425	51.72	ug/l	99
3) Chloromethane	2.06	50	207235	49.95	ug/l	100
4) Vinyl Chloride	2.19	62	178065	49.65	ug/l	98
5) Bromomethane	2.57	94	110753	49.53	ug/l	100
6) Chloroethane	2.71	64	100379	49.50	ug/l	98
7) Trichlorofluoromethane	3.02	101	249782	50.33	ug/l	99
8) Diethyl Ether	3.41	74	87531	46.28	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158799	50.67	ug/l	100
10) Methyl Iodide	3.96	142	202769	48.19	ug/l	100
11) Tert butyl alcohol	4.77	59	49819	237.06	ug/l	97
12) 1,1-Dichloroethene	3.74	96	141538	48.80	ug/l	94
13) Acrolein	3.61	56	63858	205.69	ug/l	99
14) Allyl chloride	4.33	41	302210	50.75	ug/l	99
15) Acrylonitrile	4.99	53	280715	233.93	ug/l	98
16) Acetone	3.81	43	280252	255.79	ug/l	95
17) Carbon Disulfide	4.06	76	421652	50.70	ug/l	99
18) Methyl Acetate	4.32	43	146622	47.78	ug/l	# 78
19) Methyl tert-butyl Ether	5.04	73	405450	48.65	ug/l	99
20) Methylene Chloride	4.55	84	165740	49.72	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	152822	48.94	ug/l	99
22) Diisopropyl ether	5.95	45	607065	49.96	ug/l	97
23) Vinyl Acetate	5.89	43	2088844	253.41	ug/l	100
24) 1,1-Dichloroethane	5.85	63	317027	48.66	ug/l	100
25) 2-Butanone	6.83	43	378572	245.48	ug/l	97
26) 2,2-Dichloropropane	6.82	77	249047	51.98	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	174488	48.00	ug/l	96
28) Bromochloromethane	7.19	49	158275	47.24	ug/l	100
29) Tetrahydrofuran	7.21	42	231632	228.64	ug/l	100
30) Chloroform	7.37	83	319149	51.40	ug/l	95
31) Cyclohexane	7.65	56	305998	50.60	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	262265	49.58	ug/l	100
36) 1,1-Dichloropropene	7.79	75	240391	51.79	ug/l	99
37) Ethyl Acetate	6.93	43	160457	47.63	ug/l	98
38) Carbon Tetrachloride	7.77	117	232478	54.51	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111518\
 Data File : VN052330.D
 Acq On : 15 Nov 2018 8:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 4:06:47 PM

Quant Time: Nov 16 02:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	283689	53.53	ug/l	98
40) Benzene	8.04	78	676650	51.02	ug/l	98
41) Methacrylonitrile	7.17	41	91434	48.95	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	237616	50.25	ug/l	100
43) Isopropyl Acetate	8.16	43	296261	45.57	ug/l	99
44) Trichloroethene	8.83	130	171586	52.53	ug/l	99
45) 1,2-Dichloropropane	9.12	63	188721	50.15	ug/l	99
46) Dibromomethane	9.21	93	108383	49.75	ug/l	98
47) Bromodichloromethane	9.40	83	237002	53.01	ug/l	98
48) Methyl methacrylate	9.20	41	153978	46.68	ug/l	99
49) 1,4-Dioxane	9.20	88	27635	1091.34	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	801207	244.84	ug/l	99
52) Toluene	10.15	92	411786	51.91	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	239413	53.10	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	276065	53.71	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	142946	49.71	ug/l	97
56) Ethyl methacrylate	10.43	69	193328	51.12	ug/l	98
57) 1,3-Dichloropropane	10.71	76	253622	49.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	593927	275.83	ug/l	99
59) 2-Hexanone	10.75	43	578024	256.81	ug/l	99
60) Dibromochloromethane	10.90	129	159550	51.28	ug/l	98
61) 1,2-Dibromoethane	11.00	107	142041	49.58	ug/l	100
64) Tetrachloroethene	10.63	164	152570	51.24	ug/l	97
65) Chlorobenzene	11.43	112	449221	50.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	157714	52.24	ug/l	98
67) Ethyl Benzene	11.51	91	804372	52.35	ug/l	100
68) m/p-Xylenes	11.62	106	601517	107.15	ug/l	98
69) o-Xylene	11.95	106	291916	54.24	ug/l	100
70) Styrene	11.96	104	475476	55.18	ug/l	99
71) Bromoform	12.12	173	94994	53.30	ug/l #	98
73) Isopropylbenzene	12.25	105	793942	51.02	ug/l	98
74) N-amyl acetate	12.07	43	277664	50.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	171348	45.55	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	154358m	47.00	ug/l	
77) Bromobenzene	12.53	156	182616	50.44	ug/l	98
78) n-propylbenzene	12.59	91	963834	52.96	ug/l	100
79) 2-Chlorotoluene	12.67	91	538738	50.67	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	655215	52.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50148	49.53	ug/l	99
82) 4-Chlorotoluene	12.77	91	551683	50.65	ug/l	100
83) tert-Butylbenzene	12.99	119	567465	51.94	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	664733	53.51	ug/l	99
85) sec-Butylbenzene	13.17	105	790638	53.13	ug/l	99
86) p-Isopropyltoluene	13.29	119	681358	54.05	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	332057	51.64	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	329323	51.51	ug/l	99
89) n-Butylbenzene	13.61	91	625806	57.80	ug/l	100
90) Hexachloroethane	13.87	117	122203	54.73	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	317513	50.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26731	48.19	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111518\
Data File : VN052330.D
Acq On : 15 Nov 2018 8:19
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
11/16/2018 4:06:47 PM

Quant Time: Nov 16 02:59:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146533	50.53	ug/l	98
94) Hexachlorobutadiene	15.01	225	76856	53.90	ug/l	99
95) Naphthalene	15.13	128	314049	46.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	126239	53.33	ug/l	97

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

