

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056386.D
 Acq On : 19 Jun 2019 15:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:52:18 PM

Quant Time: Jun 21 04:15:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	394311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	587083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	524774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	237019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	206813	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
35) Dibromofluoromethane	7.59	113	183678	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.09	98	704287	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	249854	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165384	49.534	ug/l	99
3) Chloromethane	2.06	50	210472	46.296	ug/l	98
4) Vinyl Chloride	2.18	62	209704	47.759	ug/l	100
5) Bromomethane	2.53	94	130884m	50.846	ug/l	
6) Chloroethane	2.68	64	122599	48.214	ug/l	97
7) Trichlorofluoromethane	3.00	101	270172	47.567	ug/l	99
8) Diethyl Ether	3.41	74	112587	46.837	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	175779	48.529	ug/l	99
10) Methyl Iodide	3.95	142	240946	49.217	ug/l	99
11) Tert butyl alcohol	4.79	59	151227	205.457	ug/l	100
12) 1,1-Dichloroethene	3.73	96	168857	48.476	ug/l	95
13) Acrolein	3.60	56	132631	213.798	ug/l	98
14) Allyl chloride	4.32	41	280100	48.306	ug/l	99
15) Acrylonitrile	4.98	53	453653	222.785	ug/l	99
16) Acetone	3.81	43	464103	211.965	ug/l	98
17) Carbon Disulfide	4.05	76	378864	47.820	ug/l	98
18) Methyl Acetate	4.32	43	187804	43.684	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	540830	46.923	ug/l	100
20) Methylene Chloride	4.54	84	196611	47.591	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	180676	48.110	ug/l	96
22) Diisopropyl ether	5.95	45	578130	47.476	ug/l	94
23) Vinyl Acetate	5.89	43	2386328	248.454	ug/l	100
24) 1,1-Dichloroethane	5.84	63	329900	47.194	ug/l	100
25) 2-Butanone	6.83	43	632639	218.313	ug/l	98
26) 2,2-Dichloropropane	6.82	77	243033	49.989	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	211877	48.222	ug/l	100
28) Bromochloromethane	7.19	49	164340	47.531	ug/l	98
29) Tetrahydrofuran	7.21	42	393229	222.052	ug/l	99
30) Chloroform	7.37	83	326018	47.265	ug/l	100
31) Cyclohexane	7.65	56	313328	46.430	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	263670	48.226	ug/l	99
36) 1,1-Dichloropropene	7.79	75	252274	48.820	ug/l	99
37) Ethyl Acetate	6.92	43	240835	47.425	ug/l	99
38) Carbon Tetrachloride	7.77	117	225688	49.944	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056386.D
 Acq On : 19 Jun 2019 15:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:52:18 PM

Quant Time: Jun 21 04:15:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	311140	48.798	ug/l	99
40) Benzene	8.04	78	769457	48.409	ug/l	99
41) Methacrylonitrile	7.17	41	114039	50.855	ug/l	89
42) 1,2-Dichloroethane	8.12	62	247273	47.139	ug/l	99
43) Isopropyl Acetate	8.16	43	374274	47.797	ug/l	99
44) Trichloroethene	8.83	130	212004	49.514	ug/l	99
45) 1,2-Dichloropropane	9.12	63	206946	48.683	ug/l	98
46) Dibromomethane	9.21	93	129335	48.631	ug/l	99
47) Bromodichloromethane	9.40	83	241941	51.293	ug/l	97
48) Methyl methacrylate	9.20	41	184560	47.034	ug/l	100
49) 1,4-Dioxane	9.20	88	71183	874.145	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1191517	235.755	ug/l	100
52) Toluene	10.15	92	476418	49.025	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	256966	46.961	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	300392	52.885	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191580	49.046	ug/l	99
56) Ethyl methacrylate	10.43	69	287366	50.340	ug/l	99
57) 1,3-Dichloropropane	10.71	76	320371	48.822	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	490295	239.075	ug/l	100
59) 2-Hexanone	10.75	43	855717	230.368	ug/l	100
60) Dibromochloromethane	10.90	129	187437	46.842	ug/l	99
61) 1,2-Dibromoethane	11.00	107	195541	49.014	ug/l	100
64) Tetrachloroethene	10.63	164	197995	47.643	ug/l	99
65) Chlorobenzene	11.43	112	515266	48.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	183096	51.376	ug/l	99
67) Ethyl Benzene	11.51	91	914894	49.414	ug/l	99
68) m/p-Xylenes	11.62	106	691026	101.842	ug/l	100
69) o-Xylene	11.95	106	337372	50.257	ug/l	99
70) Styrene	11.96	104	564329	52.593	ug/l	100
71) Bromoform	12.13	173	130536	45.692	ug/l #	100
73) Isopropylbenzene	12.25	105	889900	49.987	ug/l	100
74) N-amyl acetate	12.07	43	321444	42.613	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	269420	48.812	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	228003m	46.393	ug/l	
77) Bromobenzene	12.53	156	231395	43.662	ug/l	99
78) n-propylbenzene	12.59	91	1001002	46.118	ug/l	99
79) 2-Chlorotoluene	12.67	91	594897	49.983	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	747230	50.098	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64123	46.372	ug/l	97
82) 4-Chlorotoluene	12.77	91	584857	45.636	ug/l	99
83) tert-Butylbenzene	12.99	119	644034	49.523	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	732370	45.899	ug/l	100
85) sec-Butylbenzene	13.17	105	845223	44.304	ug/l	100
86) p-Isopropyltoluene	13.29	119	763155	46.612	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	386408	48.111	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	367956	47.305	ug/l	99
89) n-Butylbenzene	13.61	91	603596	48.699	ug/l	100
90) Hexachloroethane	13.87	117	115098	45.092	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	375869	47.169	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39967	45.572	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
Data File : VN056386.D
Acq On : 19 Jun 2019 15:21
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/21/2019 10:52:18 PM

Quant Time: Jun 21 04:15:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	168512	41.663	ug/l	98
94) Hexachlorobutadiene	15.01	225	130276	48.174	ug/l	99
95) Naphthalene	15.13	128	419505	39.869	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	176225	41.793	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061919\
Data File : VN056386.D
Acq On : 19 Jun 2019 15:21
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/21/2019 10:52:18 PM

Quant Time: Jun 21 04:15:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

