

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052019.D
 Acq On : 26 Oct 2018 10:54
 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
 10/29/2018 3:46:20 PM

Quant Time: Oct 26 23:43:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1437093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1955245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1831468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	972944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	504840	39.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.88%	
35) Dibromofluoromethane	7.59	113	555065	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	
50) Toluene-d8	10.09	98	2006881	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
62) 4-Bromofluorobenzene	12.40	95	680803	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	627272	68.782	ug/l	99
3) Chloromethane	2.06	50	407019	49.568	ug/l	99
4) Vinyl Chloride	2.19	62	499134	45.349	ug/l	99
5) Bromomethane	2.57	94	476925	45.257	ug/l	94
6) Chloroethane	2.71	64	334086	40.885	ug/l	100
7) Trichlorofluoromethane	3.02	101	894223	45.597	ug/l	100
8) Diethyl Ether	3.41	74	257105	44.095	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	554360	47.187	ug/l	98
10) Methyl Iodide	3.96	142	854063	49.136	ug/l	98
11) Tert butyl alcohol	4.78	59	115107	173.777	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	482389	45.850	ug/l	99
13) Acrolein	3.61	56	53901	157.569	ug/l	96
14) Allyl chloride	4.33	41	458441	41.179	ug/l	94
15) Acrylonitrile	4.99	53	627125	224.280	ug/l	99
16) Acetone	3.82	43	434662	206.125	ug/l	100
17) Carbon Disulfide	4.06	76	1209774	48.373	ug/l	99
18) Methyl Acetate	4.33	43	239282	36.750	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	1234653	43.709	ug/l	99
20) Methylene Chloride	4.55	84	515089	41.639	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	544692	45.713	ug/l	98
22) Diisopropyl ether	5.95	45	1131490	44.422	ug/l	99
23) Vinyl Acetate	5.90	43	4064981	234.602	ug/l	99
24) 1,1-Dichloroethane	5.85	63	807852	43.442	ug/l	100
25) 2-Butanone	6.83	43	660359	219.665	ug/l	99
26) 2,2-Dichloropropane	6.83	77	780888	45.897	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	628922	45.183	ug/l	98
28) Bromochloromethane	7.20	49	316745	42.262	ug/l	92
29) Tetrahydrofuran	7.21	42	421738	207.060	ug/l	99
30) Chloroform	7.37	83	984083	43.339	ug/l	99
31) Cyclohexane	7.65	56	701708	46.808	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	920478	44.331	ug/l	99
36) 1,1-Dichloropropene	7.80	75	712511	47.506	ug/l	98
37) Ethyl Acetate	6.93	43	313914	46.718	ug/l	100
38) Carbon Tetrachloride	7.78	117	848471	49.277	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	916211	50.015	ug/l	98
40) Benzene	8.04	78	2112758	47.443	ug/l	99
41) Methacrylonitrile	7.17	41	152826	45.345	ug/l	96
42) 1,2-Dichloroethane	8.12	62	644721	45.154	ug/l	99
43) Isopropyl Acetate	8.16	43	584692	46.549	ug/l	98
44) Trichloroethene	8.84	130	715255	50.039	ug/l	92
45) 1,2-Dichloropropane	9.12	63	482471	47.894	ug/l	99
46) Dibromomethane	9.21	93	374564	46.125	ug/l	94
47) Bromodichloromethane	9.40	83	729399	47.560	ug/l	98
48) Methyl methacrylate	9.20	41	282802	46.580	ug/l	98
49) 1,4-Dioxane	9.20	88	82306	739.326	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1568104	226.957	ug/l	99
52) Toluene	10.16	92	1464334	48.491	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	712118	45.580	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	800243	49.922	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	517896	46.417	ug/l	99
56) Ethyl methacrylate	10.43	69	577288	48.133	ug/l	98
57) 1,3-Dichloropropane	10.71	76	790382	46.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1666738	265.595	ug/l	100
59) 2-Hexanone	10.75	43	1088719	234.522	ug/l	99
60) Dibromochloromethane	10.90	129	642634	45.342	ug/l	98
61) 1,2-Dibromoethane	11.00	107	554891	47.168	ug/l	98
64) Tetrachloroethene	10.63	164	715242	50.881	ug/l	97
65) Chlorobenzene	11.43	112	1770298	47.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	666265	50.128	ug/l	99
67) Ethyl Benzene	11.51	91	2853020	47.999	ug/l	99
68) m/p-Xylenes	11.62	106	2366497	99.648	ug/l	99
69) o-Xylene	11.95	106	1141652	49.430	ug/l	97
70) Styrene	11.96	104	1851979	50.168	ug/l	99
71) Bromoform	12.13	173	428309	43.945	ug/l #	100
73) Isopropylbenzene	12.25	105	3028814	49.086	ug/l	98
74) N-amyl acetate	12.07	43	541244	44.564	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	555567	43.575	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	469683m	46.735	ug/l	
77) Bromobenzene	12.53	156	873202	51.277	ug/l	94
78) n-propylbenzene	12.59	91	3336006	50.118	ug/l	100
79) 2-Chlorotoluene	12.67	91	1878859	48.471	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2497178	50.443	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145605	46.822	ug/l	97
82) 4-Chlorotoluene	12.77	91	1957060	48.764	ug/l	98
83) tert-Butylbenzene	12.99	119	2294580	49.006	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2519512	49.340	ug/l	99
85) sec-Butylbenzene	13.17	105	3008001	49.188	ug/l	100
86) p-Isopropyltoluene	13.29	119	2773401	50.374	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1541902	49.093	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1505228	48.611	ug/l	99
89) n-Butylbenzene	13.61	91	2105109	48.018	ug/l	99
90) Hexachloroethane	13.87	117	415263	50.628	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	1412817	46.499	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68085	34.780	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	597013	33.263	ug/l	99
94) Hexachlorobutadiene	15.01	225	369530	40.069	ug/l	99
95) Naphthalene	15.13	128	1097021	28.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	476747	27.790	ug/l	99

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

