

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
 Data File : VN057133.D
 Acq On : 8 Aug 2019 15:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 9:28:08 AM

Quant Time: Aug 09 04:06:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1217266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1790669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1608494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	672383	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	582940	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
35) Dibromofluoromethane	6.98	113	536714	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	9.56	98	2066133	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.92	95	696603	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	444611	45.445	ug/l	96
3) Chloromethane	2.00	50	577044	44.390	ug/l	99
4) Vinyl Chloride	2.11	62	564036	46.680	ug/l	99
5) Bromomethane	2.43	94	394009	47.992	ug/l	99
6) Chloroethane	2.55	64	370788	47.842	ug/l	98
7) Trichlorofluoromethane	2.82	101	821862	47.321	ug/l	98
8) Diethyl Ether	3.14	74	323341	48.186	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	513997	48.819	ug/l	99
10) Methyl Iodide	3.63	142	797041	50.095	ug/l	100
11) Tert butyl alcohol	4.23	59	359889	202.019	ug/l	100
12) 1,1-Dichloroethene	3.43	96	506213	48.873	ug/l	98
13) Acrolein	3.31	56	258353	229.242	ug/l	100
14) Allyl chloride	3.91	41	744149	49.437	ug/l	99
15) Acrylonitrile	4.44	53	1153287	239.201	ug/l	99
16) Acetone	3.47	43	842479	222.839	ug/l	99
17) Carbon Disulfide	3.72	76	1353981	49.137	ug/l	100
18) Methyl Acetate	3.89	43	562589	49.944	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1542846	49.340	ug/l	100
20) Methylene Chloride	4.10	84	580130	46.495	ug/l	98
21) trans-1,2-Dichloroethene	4.50	96	540599	47.912	ug/l	98
22) Diisopropyl ether	5.31	45	1600032	48.733	ug/l	99
23) Vinyl Acetate	5.26	43	6393131	254.279	ug/l	99
24) 1,1-Dichloroethane	5.25	63	977304	48.421	ug/l	98
25) 2-Butanone	6.20	43	1378331	238.620	ug/l	97
26) 2,2-Dichloropropane	6.21	77	715496	48.726	ug/l	99
27) cis-1,2-Dichloroethene	6.20	96	636109	49.212	ug/l	99
28) Bromochloromethane	6.58	49	425472	45.830	ug/l	98
29) Tetrahydrofuran	6.60	42	913068	234.653	ug/l	99
30) Chloroform	6.76	83	975790	46.711	ug/l	100
31) Cyclohexane	7.06	56	844555	46.510	ug/l	99
32) 1,1,1-Trichloroethane	6.97	97	857108	48.910	ug/l	99
36) 1,1-Dichloropropene	7.20	75	754189	51.154	ug/l	100
37) Ethyl Acetate	6.28	43	578288	47.581	ug/l #	100
38) Carbon Tetrachloride	7.18	117	748340	48.703	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	909876	50.748	ug/l	96
40) Benzene	7.46	78	2269912	48.633	ug/l	100
41) Methacrylonitrile	6.54	41	300150	48.618	ug/l	98
42) 1,2-Dichloroethane	7.54	62	710330	47.720	ug/l	98
43) Isopropyl Acetate	7.56	43	1122013	54.097	ug/l	95
44) Trichloroethene	8.27	130	642784	49.157	ug/l	99
45) 1,2-Dichloropropane	8.56	63	585831	48.475	ug/l	100
46) Dibromomethane	8.65	93	379591	48.987	ug/l	98
47) Bromodichloromethane	8.85	83	759734	50.671	ug/l	97
48) Methyl methacrylate	8.63	41	473879	48.453	ug/l	99
49) 1,4-Dioxane	8.64	88	190964	958.707	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	2907365	240.858	ug/l	100
52) Toluene	9.62	92	1450697	50.073	ug/l	98
53) t-1,3-Dichloropropene	9.85	75	805469	51.423	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	926375	51.542	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	548352	48.132	ug/l	99
56) Ethyl methacrylate	9.90	69	809640	50.756	ug/l	99
57) 1,3-Dichloropropane	10.19	76	917385	48.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	1478589	233.381	ug/l	99
59) 2-Hexanone	10.24	43	2018599	247.091	ug/l	100
60) Dibromochloromethane	10.39	129	618871	51.723	ug/l	100
61) 1,2-Dibromoethane	10.49	107	578432	49.202	ug/l	99
64) Tetrachloroethene	10.11	164	646949	48.363	ug/l	98
65) Chlorobenzene	10.93	112	1583110	48.916	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	587817	48.581	ug/l	100
67) Ethyl Benzene	11.01	91	2784593	49.991	ug/l	100
68) m/p-Xylenes	11.12	106	2107525	102.702	ug/l	100
69) o-Xylene	11.46	106	1020005	49.944	ug/l	98
70) Styrene	11.47	104	1676795	52.565	ug/l	99
71) Bromoform	11.64	173	457723	51.643	ug/l	100
73) Isopropylbenzene	11.76	105	2739293	50.020	ug/l	100
74) N-amyl acetate	11.58	43	801121	47.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	738859	50.426	ug/l	100
76) 1,2,3-Trichloropropane	12.07	75	643573m	48.981	ug/l	
77) Bromobenzene	12.04	156	716477	44.333	ug/l	99
78) n-propylbenzene	12.11	91	2951769	45.760	ug/l	100
79) 2-Chlorotoluene	12.19	91	1787109	49.713	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	2290263	44.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	219052	47.902	ug/l	97
82) 4-Chlorotoluene	12.30	91	1709886	45.781	ug/l	100
83) tert-Butylbenzene	12.52	119	1988287	48.527	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	2192220	43.692	ug/l	99
85) sec-Butylbenzene	12.70	105	2550019	43.530	ug/l	99
86) p-Isopropyltoluene	12.82	119	2284278	44.438	ug/l	100
87) 1,3-Dichlorobenzene	12.81	146	1120117	48.683	ug/l	100
88) 1,4-Dichlorobenzene	12.89	146	1056700	48.472	ug/l	99
89) n-Butylbenzene	13.15	91	1643084	46.266	ug/l	100
90) Hexachloroethane	13.41	117	402774	49.278	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	1096265	47.713	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	109110	46.162	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	467028	48.173	ug/l	98
94) Hexachlorobutadiene	14.55	225	428235	53.683	ug/l	99
95) Naphthalene	14.67	128	887148	46.270	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	441642	44.528	ug/l	98

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

