

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055069.D
 Acq On : 16 Apr 2019 11:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:22:59 AM

Quant Time: Apr 17 02:09:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	442090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	687994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	590776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	268743	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	7.59	113	221525	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	10.09	98	810994	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	276253	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	237214	47.214	ug/l	99
3) Chloromethane	2.06	50	293750	44.827	ug/l	99
4) Vinyl Chloride	2.19	62	246454	44.745	ug/l	99
5) Bromomethane	2.56	94	136626	43.847	ug/l	98
6) Chloroethane	2.71	64	137136	46.169	ug/l	98
7) Trichlorofluoromethane	3.02	101	320351	46.506	ug/l	99
8) Diethyl Ether	3.41	74	97555	44.367	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	170521	47.303	ug/l	99
10) Methyl Iodide	3.94	142	300913	53.791	ug/l	95
11) Tert butyl alcohol	4.81	59	74179	230.291	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	157482	44.881	ug/l	97
13) Acrolein	3.61	56	94812	238.134	ug/l	96
14) Allyl chloride	4.32	41	407756	47.474	ug/l	99
15) Acrylonitrile	4.99	53	432629	224.487	ug/l	99
16) Acetone	3.82	43	377231	236.511	ug/l	98
17) Carbon Disulfide	4.04	76	524775	46.330	ug/l	100
18) Methyl Acetate	4.33	43	205600	44.679	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	585403	46.638	ug/l	99
20) Methylene Chloride	4.54	84	245386	43.765	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	220651	46.494	ug/l	99
22) Diisopropyl ether	5.96	45	851996	48.254	ug/l	99
23) Vinyl Acetate	5.90	43	2949631	252.738	ug/l	99
24) 1,1-Dichloroethane	5.85	63	440641	46.864	ug/l	100
25) 2-Butanone	6.84	43	571510	240.081	ug/l	98
26) 2,2-Dichloropropane	6.82	77	315479	53.161	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	253263	47.171	ug/l	99
28) Bromochloromethane	7.19	49	205741	45.393	ug/l	99
29) Tetrahydrofuran	7.22	42	344762	220.853	ug/l	99
30) Chloroform	7.37	83	421116	46.109	ug/l	100
31) Cyclohexane	7.65	56	411486	49.488	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	344119	47.557	ug/l	100
36) 1,1-Dichloropropene	7.79	75	318124	49.051	ug/l	99
37) Ethyl Acetate	6.94	43	236519	44.795	ug/l	98
38) Carbon Tetrachloride	7.77	117	295728	47.926	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	360381	51.278	ug/l	96
40) Benzene	8.04	78	947922	48.495	ug/l	98
41) Methacrylonitrile	7.17	41	140103	47.801	ug/l	94
42) 1,2-Dichloroethane	8.12	62	323497	47.667	ug/l	99
43) Isopropyl Acetate	8.17	43	398241	48.949	ug/l	99
44) Trichloroethene	8.83	130	247227	50.496	ug/l	97
45) 1,2-Dichloropropane	9.12	63	269448	49.428	ug/l	100
46) Dibromomethane	9.21	93	149386	48.145	ug/l	98
47) Bromodichloromethane	9.40	83	318551	49.795	ug/l	99
48) Methyl methacrylate	9.20	41	200229	49.653	ug/l	99
49) 1,4-Dioxane	9.20	88	40056	1060.229	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1136355	241.763	ug/l	98
52) Toluene	10.15	92	565288	50.493	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	305894	54.716	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	379341	54.670	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	209329	48.531	ug/l	99
56) Ethyl methacrylate	10.43	69	269785	52.118	ug/l	99
57) 1,3-Dichloropropane	10.71	76	360280	49.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	473669	210.121	ug/l	99
59) 2-Hexanone	10.75	43	723263	244.990	ug/l	100
60) Dibromochloromethane	10.90	129	217386	51.613	ug/l	98
61) 1,2-Dibromoethane	11.00	107	198107	49.901	ug/l	98
64) Tetrachloroethene	10.63	164	229058	47.681	ug/l	99
65) Chlorobenzene	11.43	112	585086	49.201	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	222640	50.904	ug/l	99
67) Ethyl Benzene	11.51	91	1081786	50.940	ug/l	100
68) m/p-Xylenes	11.62	106	787559	102.412	ug/l	99
69) o-Xylene	11.95	106	385430	51.748	ug/l	99
70) Styrene	11.96	104	642947	53.328	ug/l	99
71) Bromoform	12.13	173	134446	53.629	ug/l #	99
73) Isopropylbenzene	12.25	105	1025044	45.648	ug/l	99
74) N-amyl acetate	12.07	43	311099	49.216	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	251343	41.831	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	198654m	43.655	ug/l	
77) Bromobenzene	12.52	156	249767	44.616	ug/l	99
78) n-propylbenzene	12.59	91	1154786	47.598	ug/l	100
79) 2-Chlorotoluene	12.67	91	692578	45.768	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	851249	46.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58171	51.119	ug/l	92
82) 4-Chlorotoluene	12.77	91	684989	48.518	ug/l	99
83) tert-Butylbenzene	12.99	119	716870	46.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	833664	48.544	ug/l	100
85) sec-Butylbenzene	13.17	105	933772	47.884	ug/l	98
86) p-Isopropyltoluene	13.29	119	830690	49.652	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	422885	49.698	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	405018	49.914	ug/l	99
89) n-Butylbenzene	13.61	91	696228	56.058	ug/l	100
90) Hexachloroethane	13.87	117	133590	49.074	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	408967	47.769	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33936	45.865	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	201401	51.794	ug/l	99
94) Hexachlorobutadiene	15.01	225	140535	53.146	ug/l	99
95) Naphthalene	15.13	128	406340	45.079	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	199237	60.324	ug/l	98

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

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