

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060243.D
 Acq On : 25 Feb 2020 18:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:44:38 AM

Quant Time: Feb 25 23:14:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	212611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	137131	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.57	113	102648	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.08	98	414165	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	161061	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	105904	49.833	ug/l	99
3) Chloromethane	2.04	50	181379	71.719	ug/l	98
4) Vinyl Chloride	2.16	62	148438	51.493	ug/l	98
5) Bromomethane	2.54	94	51305	29.026	ug/l	99
6) Chloroethane	2.68	64	77962	53.471	ug/l	98
7) Trichlorofluoromethane	3.00	101	186475	50.173	ug/l	97
8) Diethyl Ether	3.38	74	69171	55.910	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	104186	50.491	ug/l	98
10) Methyl Iodide	3.93	142	88685	32.877	ug/l	99
11) Tert butyl alcohol	4.73	59	100108	258.578	ug/l	99
12) 1,1-Dichloroethene	3.72	96	104510	51.991	ug/l	97
13) Acrolein	3.58	56	63318	165.462	ug/l	96
14) Allyl chloride	4.29	41	167629	56.658	ug/l	95
15) Acrylonitrile	4.94	53	274490	290.322	ug/l	99
16) Acetone	3.78	43	223535	198.084	ug/l	97
17) Carbon Disulfide	4.03	76	283483	46.788	ug/l	98
18) Methyl Acetate	4.29	43	147371	69.519	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	370228	54.767	ug/l	99
20) Methylene Chloride	4.52	84	116953	51.947	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	112457	51.322	ug/l	99
22) Diisopropyl ether	5.92	45	383281	59.110	ug/l	93
23) Vinyl Acetate	5.86	43	1556604	285.868	ug/l	97
24) 1,1-Dichloroethane	5.82	63	215230	54.793	ug/l	99
25) 2-Butanone	6.80	43	370957	261.372	ug/l	96
26) 2,2-Dichloropropane	6.80	77	188453	50.511	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	134198	52.331	ug/l	96
28) Bromochloromethane	7.17	49	87031	56.358	ug/l	92
29) Tetrahydrofuran	7.18	42	249341	286.370	ug/l	95
30) Chloroform	7.35	83	220663	53.628	ug/l	99
31) Cyclohexane	7.63	56	189468	51.780	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	197131	52.427	ug/l	99
36) 1,1-Dichloropropene	7.77	75	161647	49.925	ug/l	99
37) Ethyl Acetate	6.90	43	160132	54.723	ug/l	100
38) Carbon Tetrachloride	7.75	117	165917	47.184	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	193175	48.064	ug/l	97
40) Benzene	8.02	78	484519	50.447	ug/l	100
41) Methacrylonitrile	7.15	41	76822m	62.601	ug/l	
42) 1,2-Dichloroethane	8.10	62	174740	51.910	ug/l	98
43) Isopropyl Acetate	8.14	43	276994	55.375	ug/l	99
44) Trichloroethene	8.82	130	139206	52.344	ug/l	95
45) 1,2-Dichloropropane	9.10	63	129243	54.354	ug/l	98
46) Dibromomethane	9.19	93	85673	50.985	ug/l	99
47) Bromodichloromethane	9.39	83	172942	50.623	ug/l	99
48) Methyl methacrylate	9.18	41	127527	56.823	ug/l	96
49) 1,4-Dioxane	9.18	88	38425	1002.069	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	811424	280.255	ug/l	100
52) Toluene	10.14	92	307554	49.936	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	204044	52.914	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	210878	51.933	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	122253	50.880	ug/l	99
56) Ethyl methacrylate	10.42	69	191865	56.447	ug/l	97
57) 1,3-Dichloropropane	10.70	76	202042	50.959	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	477598	301.607	ug/l	97
59) 2-Hexanone	10.74	43	611377	273.357	ug/l	98
60) Dibromochloromethane	10.89	129	133205	48.310	ug/l	100
61) 1,2-Dibromoethane	10.99	107	127184	50.494	ug/l	100
64) Tetrachloroethene	10.62	164	149018	59.128	ug/l	99
65) Chlorobenzene	11.43	112	329135	48.729	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	123282	48.248	ug/l	99
67) Ethyl Benzene	11.50	91	607659	49.881	ug/l	99
68) m/p-Xylenes	11.62	106	453296	99.143	ug/l	99
69) o-Xylene	11.94	106	219921	49.957	ug/l	98
70) Styrene	11.96	104	378356	53.298	ug/l	99
71) Bromoform	12.12	173	94464	45.965	ug/l #	98
73) Isopropylbenzene	12.24	105	595676	45.780	ug/l	100
74) N-amyl acetate	12.06	43	262985	56.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	161392	43.093	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	159394m	47.813	ug/l	
77) Bromobenzene	12.52	156	201508	62.403	ug/l	72
78) n-propylbenzene	12.59	91	695007	46.882	ug/l	100
79) 2-Chlorotoluene	12.67	91	406470	46.648	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	507750	46.933	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	65346	47.995	ug/l	99
82) 4-Chlorotoluene	12.77	91	431614	48.280	ug/l	98
83) tert-Butylbenzene	12.99	119	429917	44.922	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	510013	47.757	ug/l	100
85) sec-Butylbenzene	13.17	105	582551	45.962	ug/l	100
86) p-Isopropyltoluene	13.28	119	535858	46.663	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	271161	47.439	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	272097	47.613	ug/l	99
89) n-Butylbenzene	13.61	91	492669	48.776	ug/l	99
90) Hexachloroethane	13.87	117	69299	32.302	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	258764	46.259	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	37120	46.560	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	177835	54.106	ug/l	99
94) Hexachlorobutadiene	15.01	225	74903	38.927	ug/l	99
95) Naphthalene	15.13	128	543770	61.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	168663	51.529	ug/l	99

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

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