

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063069.D
 Acq On : 21 Aug 2020 5:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:20:26 AM

Quant Time: Aug 21 07:57:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	165430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	253567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	244232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121533	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104337	53.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.44%	
35) Dibromofluoromethane	7.55	113	86363	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.54%	
50) Toluene-d8	10.06	98	334112	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.38	95	118136	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109008	50.434	ug/l	99
3) Chloromethane	2.03	50	123715	54.542	ug/l	100
4) Vinyl Chloride	2.16	62	122303	55.754	ug/l	98
5) Bromomethane	2.52	94	67425	51.785	ug/l	97
6) Chloroethane	2.67	64	72494	55.974	ug/l	98
7) Trichlorofluoromethane	2.98	101	144390	52.782	ug/l	99
8) Diethyl Ether	3.37	74	46501	48.050	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	71346	48.400	ug/l	99
10) Methyl Iodide	3.91	142	97917	52.406	ug/l	99
11) Tert butyl alcohol	4.74	59	54789	197.283	ug/l	99
12) 1,1-Dichloroethene	3.70	96	66803	47.573	ug/l	99
13) Acrolein	3.57	56	14100	162.065	ug/l	100
14) Allyl chloride	4.27	41	116575	47.084	ug/l	99
15) Acrylonitrile	4.93	53	210459	257.831	ug/l	99
16) Acetone	3.78	43	154669	253.020	ug/l	97
17) Carbon Disulfide	4.01	76	178049	48.415	ug/l	99
18) Methyl Acetate	4.28	43	98913	50.765	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	258160	52.716	ug/l	98
20) Methylene Chloride	4.50	84	88504	51.232	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	74280	50.546	ug/l	95
22) Diisopropyl ether	5.90	45	304571	54.209	ug/l	97
23) Vinyl Acetate	5.84	43	952631	251.259	ug/l	100
24) 1,1-Dichloroethane	5.80	63	160662	51.172	ug/l	99
25) 2-Butanone	6.79	43	249571	239.761	ug/l	98
26) 2,2-Dichloropropane	6.77	77	81242	32.903	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	92927	50.451	ug/l	97
28) Bromochloromethane	7.15	49	86292	52.529	ug/l	98
29) Tetrahydrofuran	7.17	42	170086	253.177	ug/l	99
30) Chloroform	7.33	83	159931	50.578	ug/l	100
31) Cyclohexane	7.61	56	146097	50.558	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	130871	50.696	ug/l	99
36) 1,1-Dichloropropene	7.75	75	109155	48.848	ug/l	99
37) Ethyl Acetate	6.88	43	100197	47.854	ug/l	99
38) Carbon Tetrachloride	7.73	117	111040	49.221	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	136354	45.347	ug/l	99
40) Benzene	8.00	78	354943	50.082	ug/l	99
41) Methacrylonitrile	7.13	41	51022	51.145	ug/l	96
42) 1,2-Dichloroethane	8.08	62	119229	50.102	ug/l	100
43) Isopropyl Acetate	8.13	43	169149	48.763	ug/l #	90
44) Trichloroethene	8.80	130	85564	48.536	ug/l	96
45) 1,2-Dichloropropane	9.08	63	102408	49.989	ug/l	99
46) Dibromomethane	9.17	93	60852	51.418	ug/l	100
47) Bromodichloromethane	9.37	83	131283	50.647	ug/l	98
48) Methyl methacrylate	9.17	41	82225	50.099	ug/l	99
49) 1,4-Dioxane	9.17	88	25886	721.063	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	546226	249.124	ug/l	100
52) Toluene	10.12	92	221301	51.763	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	128291	47.860	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	141705	48.190	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	92005	50.329	ug/l	99
56) Ethyl methacrylate	10.40	69	129636	46.057	ug/l	99
57) 1,3-Dichloropropane	10.68	76	152651	50.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	130276	192.730	ug/l	99
59) 2-Hexanone	10.72	43	380248	248.628	ug/l	100
60) Dibromochloromethane	10.87	129	101167	50.007	ug/l	99
61) 1,2-Dibromoethane	10.98	107	90059	51.271	ug/l	99
64) Tetrachloroethene	10.60	164	78212	48.717	ug/l	99
65) Chlorobenzene	11.41	112	239950	48.919	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	94703	49.638	ug/l	100
67) Ethyl Benzene	11.48	91	422676	50.998	ug/l	100
68) m/p-Xylenes	11.60	106	323225	104.928	ug/l	99
69) o-Xylene	11.92	106	153164	51.778	ug/l	98
70) Styrene	11.94	104	275984	47.129	ug/l	99
71) Bromoform	12.10	173	75486	49.708	ug/l #	99
73) Isopropylbenzene	12.22	105	418097	50.236	ug/l	100
74) N-amyl acetate	12.05	43	148418	49.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	135805	50.587	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	111917m	47.376	ug/l	
77) Bromobenzene	12.50	156	111598	48.755	ug/l	98
78) n-propylbenzene	12.57	91	493733	52.047	ug/l	100
79) 2-Chlorotoluene	12.65	91	293685	49.220	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	360368	52.380	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	37514	43.614	ug/l	99
82) 4-Chlorotoluene	12.75	91	305611	50.300	ug/l	100
83) tert-Butylbenzene	12.97	119	305041	51.370	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	356937	53.255	ug/l	100
85) sec-Butylbenzene	13.15	105	408743	50.933	ug/l	100
86) p-Isopropyltoluene	13.26	119	356013	50.913	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	195425	49.679	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	192507	48.215	ug/l	100
89) n-Butylbenzene	13.59	91	282481	43.032	ug/l	100
90) Hexachloroethane	13.85	117	71726	48.259	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	193373	50.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21682	51.729	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	90412	43.568	ug/l	98
94) Hexachlorobutadiene	14.98	225	59749	42.552	ug/l	99
95) Naphthalene	15.10	128	199360	42.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	88694	43.514	ug/l	99

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

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