

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018159.D
 Acq On : 31 Aug 2020 19:42
 Operator : JC/SP
 Sample : L3831-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200827MSD

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:08:41 AM

Quant Time: Sep 01 06:54:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	458399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	736637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	701284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	385743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	309938	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	5.46	113	236271	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	8.70	98	861794	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
62) 4-Bromofluorobenzene	11.12	95	358025	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	264645	47.418	ug/l	99
3) Chloromethane	1.31	50	267569	45.474	ug/l	99
4) Vinyl Chloride	1.39	62	257666	43.991	ug/l	100
5) Bromomethane	1.62	94	158607	56.140	ug/l	95
6) Chloroethane	1.70	64	148824	47.307	ug/l	99
7) Trichlorofluoromethane	1.91	101	413224	51.738	ug/l	98
8) Diethyl Ether	2.17	74	128586	47.473	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	202755	46.957	ug/l	99
10) Methyl Iodide	2.49	142	244888	52.691	ug/l	99
11) Tert butyl alcohol	3.03	59	288581	233.226	ug/l	100
12) 1,1-Dichloroethene	2.36	96	206863	46.178	ug/l	98
13) Acrolein	2.28	56	151047	294.407	ug/l	99
14) Allyl chloride	2.70	41	375087	46.604	ug/l	98
15) Acrylonitrile	3.12	53	640018	228.027	ug/l	99
16) Acetone	2.42	43	579219	233.584	ug/l	96
17) Carbon Disulfide	2.54	76	576685	42.584	ug/l	98
18) Methyl Acetate	2.75	43	269572	45.050	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	746359	48.581	ug/l	100
20) Methylene Chloride	2.84	84	239179	47.106	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	226532	45.643	ug/l	97
22) Diisopropyl ether	3.83	45	735274	46.287	ug/l	97
23) Vinyl Acetate	3.79	43	3074805	217.537	ug/l	99
24) 1,1-Dichloroethane	3.67	63	417674	46.190	ug/l	99
25) 2-Butanone	4.64	43	892089	218.901	ug/l	100
26) 2,2-Dichloropropane	4.55	77	322565	43.843	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	255876	44.746	ug/l	99
28) Bromochloromethane	4.98	49	208349	47.735	ug/l	99
29) Tetrahydrofuran	5.09	42	567697	218.828	ug/l	97
30) Chloroform	5.18	83	443680	47.386	ug/l	97
31) Cyclohexane	5.55	56	344014	45.164	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	418058	48.655	ug/l	99
36) 1,1-Dichloropropene	5.77	75	307832	45.307	ug/l	98
37) Ethyl Acetate	4.80	43	329628	41.771	ug/l	99
38) Carbon Tetrachloride	5.76	117	380037	49.633	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	334432	45.015	ug/l	95
40) Benzene	6.11	78	925022	46.334	ug/l	98
41) Methacrylonitrile	5.01	41	195063	45.019	ug/l	98
42) 1,2-Dichloroethane	6.17	62	370741	48.468	ug/l	98
43) Isopropyl Acetate	6.42	43	546693	42.892	ug/l	99
44) Trichloroethene	7.19	130	262939	46.611	ug/l	100
45) 1,2-Dichloropropane	7.49	63	245684	45.660	ug/l	96
46) Dibromomethane	7.64	93	175522	46.387	ug/l	100
47) Bromodichloromethane	7.88	83	366632	48.527	ug/l	98
48) Methyl methacrylate	7.74	41	286645	45.177	ug/l	99
49) 1,4-Dioxane	7.71	88	105214	915.435	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1797492	228.305	ug/l	100
52) Toluene	8.77	92	584310	46.156	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	393235	46.962	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	392696	44.271	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	249788	46.264	ug/l	95
56) Ethyl methacrylate	9.16	69	372046	46.353	ug/l	98
57) 1,3-Dichloropropane	9.35	76	416077	46.723	ug/l	100
59) 2-Hexanone	9.48	43	1408494	235.272	ug/l	100
60) Dibromochloromethane	9.57	129	316086	49.906	ug/l	98
61) 1,2-Dibromoethane	9.65	107	273509	46.661	ug/l	99
64) Tetrachloroethene	9.32	164	238235	46.228	ug/l	94
65) Chlorobenzene	10.12	112	665046	47.482	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	269552	48.829	ug/l	99
67) Ethyl Benzene	10.24	91	1162343	48.799	ug/l	99
68) m/p-Xylenes	10.34	106	888256	99.913	ug/l	99
69) o-Xylene	10.68	106	426045	49.435	ug/l	97
70) Stvrene	10.70	104	737112	50.223	ug/l	98
71) Bromoform	10.84	173	244189	51.860	ug/l #	100
73) Isopropylbenzene	11.00	105	1185091	46.576	ug/l	100
74) N-amyl acetate	10.88	43	490532	40.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	372177	41.465	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	363069m	42.311	ug/l	
77) Bromobenzene	11.24	156	311728	44.322	ug/l	99
78) n-propylbenzene	11.34	91	1344421	46.535	ug/l	100
79) 2-Chlorotoluene	11.40	91	821291	46.013	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1011919	48.397	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	130918	41.206	ug/l	96
82) 4-Chlorotoluene	11.49	91	970497	45.737	ug/l	99
83) tert-Butylbenzene	11.76	119	987782	47.871	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1014595	47.462	ug/l	98
85) sec-Butylbenzene	11.93	105	1104987	47.091	ug/l	99
86) p-Isopropyltoluene	12.05	119	1046802	48.566	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	549720	44.517	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	534016	43.191	ug/l	99
89) n-Butylbenzene	12.37	91	873691	44.411	ug/l	99
90) Hexachloroethane	12.58	117	208940	49.270	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	527933	45.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	94738	42.213	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	341043	43.999	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	133290	43.598	ug/l	96
95) Naphthalene	13.82	128	1141493	44.748	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	350131	45.716	ug/l	98

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

