

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
 Data File : VX011693.D
 Acq On : 20 Aug 2019 18:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:33:37 AM

Quant Time: Aug 21 00:27:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	372029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	520096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	472262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	257646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	142929	41.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.86%	
35) Dibromofluoromethane	5.49	113	135882	39.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.88%	
50) Toluene-d8	8.71	98	424422	40.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.08%	
62) 4-Bromofluorobenzene	11.13	95	184401	41.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	167216	45.727	ug/l	99
3) Chloromethane	1.32	50	129771	34.167	ug/l	100
4) Vinyl Chloride	1.40	62	134657	39.248	ug/l	97
5) Bromomethane	1.63	94	65576	42.656	ug/l	98
6) Chloroethane	1.71	64	76818	47.307	ug/l	97
7) Trichlorofluoromethane	1.92	101	216586	45.576	ug/l	97
8) Diethyl Ether	2.18	74	74728	45.841	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	137454	41.876	ug/l	96
10) Methyl Iodide	2.50	142	141974	30.363	ug/l	96
11) Tert butyl alcohol	3.04	59	189739	224.171	ug/l	99
12) 1,1-Dichloroethene	2.36	96	129742	40.901	ug/l	98
13) Acrolein	2.29	56	63258	243.239	ug/l	96
14) Allyl chloride	2.72	41	225123	42.663	ug/l	96
15) Acrylonitrile	3.14	53	431535	222.766	ug/l	100
16) Acetone	2.43	43	375167	216.264	ug/l	99
17) Carbon Disulfide	2.56	76	288651	38.617	ug/l	99
18) Methyl Acetate	2.76	43	247523	46.007	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	475731	46.048	ug/l	98
20) Methylene Chloride	2.85	84	151674	41.642	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	142069	42.263	ug/l	98
22) Diisopropyl ether	3.85	45	465301	44.277	ug/l	99
23) Vinyl Acetate	3.81	43	1871770	224.929	ug/l	100
24) 1,1-Dichloroethane	3.69	63	256390	43.152	ug/l	98
25) 2-Butanone	4.67	43	613748	225.358	ug/l	98
26) 2,2-Dichloropropane	4.57	77	201280	45.011	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	173281	44.219	ug/l	99
28) Bromochloromethane	5.01	49	111444	42.728	ug/l	99
29) Tetrahydrofuran	5.12	42	400853	224.380	ug/l	99
30) Chloroform	5.20	83	277885	44.317	ug/l	99
31) Cyclohexane	5.57	56	224815	43.947	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	244375	45.325	ug/l	99
36) 1,1-Dichloropropene	5.79	75	197406	44.393	ug/l	99
37) Ethyl Acetate	4.82	43	228324	44.642	ug/l	100
38) Carbon Tetrachloride	5.78	117	216093	44.108	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	237329	43.218	ug/l	99
40) Benzene	6.13	78	598113	43.283	ug/l	99
41) Methacrylonitrile	5.03	41	127391	45.255	ug/l	99
42) 1,2-Dichloroethane	6.18	62	218952	45.732	ug/l	100
43) Isopropyl Acetate	6.44	43	354940	44.468	ug/l	99
44) Trichloroethene	7.21	130	180041	43.920	ug/l	99
45) 1,2-Dichloropropane	7.51	63	153009	44.399	ug/l	100
46) Dibromomethane	7.66	93	109137	43.579	ug/l	98
47) Bromodichloromethane	7.90	83	204471	44.467	ug/l	99
48) Methyl methacrylate	7.77	41	181779	45.988	ug/l	99
49) 1,4-Dioxane	7.74	88	92890	883.533	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1176725	225.231	ug/l	100
52) Toluene	8.78	92	379577	43.116	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	223715	46.878	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	235333	45.060	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	165129	44.108	ug/l	99
56) Ethyl methacrylate	9.18	69	252983	46.493	ug/l	99
57) 1,3-Dichloropropane	9.37	76	262634	44.132	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	586861	216.456	ug/l	99
59) 2-Hexanone	9.49	43	923702	229.268	ug/l	99
60) Dibromochloromethane	9.58	129	181083	46.424	ug/l	99
61) 1,2-Dibromoethane	9.67	107	179740	44.985	ug/l	99
64) Tetrachloroethene	9.34	164	176045	45.433	ug/l	99
65) Chlorobenzene	10.13	112	441818	43.862	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	170906	45.394	ug/l	100
67) Ethyl Benzene	10.25	91	754206	44.865	ug/l	100
68) m/p-Xylenes	10.35	106	589531	91.360	ug/l	98
69) o-Xylene	10.69	106	284634	45.031	ug/l	99
70) Styrene	10.71	104	491869	46.226	ug/l	99
71) Bromoform	10.85	173	147280	40.897	ug/l	99
73) Isopropylbenzene	11.02	105	768331	45.958	ug/l	100
74) N-amyl acetate	10.90	43	315370	44.389	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	253751	44.122	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	219218m	44.871	ug/l	
77) Bromobenzene	11.25	156	215226	43.270	ug/l	96
78) n-propylbenzene	11.36	91	839663	46.577	ug/l	100
79) 2-Chlorotoluene	11.42	91	494059	44.632	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	655380	46.666	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	74818	42.249	ug/l	98
82) 4-Chlorotoluene	11.51	91	591453	46.054	ug/l	99
83) tert-Butylbenzene	11.77	119	632578	44.226	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	649969	46.100	ug/l	98
85) sec-Butylbenzene	11.94	105	746469	46.256	ug/l	100
86) p-Isopropyltoluene	12.06	119	711295	46.852	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	380073	44.455	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	375044	43.281	ug/l	99
89) n-Butylbenzene	12.38	91	582495	46.668	ug/l	100
90) Hexachloroethane	12.59	117	110430	46.062	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	371407	43.276	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	58918	44.779	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	299080	46.770	ug/l	98
94) Hexachlorobutadiene	13.78	225	156160	44.848	ug/l	99
95) Naphthalene	13.83	128	895228	49.520	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	305761	47.406	ug/l	99

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

