

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006610.D
 Acq On : 18 Dec 2018 21:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:45 AM

Quant Time: Dec 19 06:37:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	598556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	929414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	862829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	455691	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	319347	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	5.50	113	294476	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	8.71	98	1100527	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.14	95	419603	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	261898	47.829	ug/l	98
3) Chloromethane	1.33	50	287917	48.805	ug/l	97
4) Vinyl Chloride	1.41	62	313119	50.821	ug/l	98
5) Bromomethane	1.64	94	308092	53.727	ug/l	99
6) Chloroethane	1.72	64	200104	46.905	ug/l	97
7) Trichlorofluoromethane	1.93	101	488690	50.874	ug/l	100
8) Diethyl Ether	2.19	74	190113	49.828	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	283288	50.227	ug/l	99
10) Methyl Iodide	2.51	142	448872	55.598	ug/l	100
11) Tert butyl alcohol	3.07	59	392119	272.365	ug/l	99
12) 1,1-Dichloroethene	2.37	96	268627	50.230	ug/l	93
13) Acrolein	2.30	56	225198	231.871	ug/l	98
14) Allyl chloride	2.73	41	458031	50.882	ug/l	97
15) Acrylonitrile	3.15	53	852425	266.671	ug/l	100
16) Acetone	2.45	43	709283	239.317	ug/l	96
17) Carbon Disulfide	2.57	76	672222	47.498	ug/l	99
18) Methyl Acetate	2.78	43	463257	53.157	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	920886	51.881	ug/l	100
20) Methylene Chloride	2.85	84	300663	49.059	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	286379	48.330	ug/l	91
22) Diisopropyl ether	3.87	45	846274	51.388	ug/l	99
23) Vinyl Acetate	3.82	43	3449219	256.056	ug/l	99
24) 1,1-Dichloroethane	3.70	63	486429	49.480	ug/l	98
25) 2-Butanone	4.70	43	1054551	252.955	ug/l	97
26) 2,2-Dichloropropane	4.59	77	344155	45.320	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	328072	50.182	ug/l	97
28) Bromochloromethane	5.02	49	223973	54.202	ug/l	99
29) Tetrahydrofuran	5.15	42	715827	260.700	ug/l	98
30) Chloroform	5.22	83	517906	50.873	ug/l	100
31) Cyclohexane	5.57	56	438999	49.154	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	447357	52.042	ug/l	99
36) 1,1-Dichloropropene	5.80	75	379922	49.355	ug/l	99
37) Ethyl Acetate	4.85	43	404300	50.462	ug/l	98
38) Carbon Tetrachloride	5.78	117	373899	49.980	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	483118	47.672	ug/l	98
40) Benzene	6.15	78	1169451	49.980	ug/l	100
41) Methacrylonitrile	5.06	41	223754	49.698	ug/l	99
42) 1,2-Dichloroethane	6.20	62	394485	49.477	ug/l	99
43) Isopropyl Acetate	6.46	43	638311	52.362	ug/l	99
44) Trichloroethene	7.21	130	343408	48.490	ug/l	95
45) 1,2-Dichloropropane	7.52	63	290131	50.954	ug/l	98
46) Dibromomethane	7.66	93	209116	49.929	ug/l	95
47) Bromodichloromethane	7.90	83	355896	51.183	ug/l	99
48) Methyl methacrylate	7.77	41	330806	53.363	ug/l	98
49) 1,4-Dioxane	7.75	88	178202	1100.665	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2114682	272.636	ug/l	99
52) Toluene	8.79	92	771098	51.011	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	390457	52.358	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	440787	53.868	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	314676	50.858	ug/l	98
56) Ethyl methacrylate	9.18	69	469731	53.714	ug/l	99
57) 1,3-Dichloropropane	9.37	76	500555	50.283	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1197132	257.525	ug/l	99
59) 2-Hexanone	9.49	43	1607204	270.820	ug/l	99
60) Dibromochloromethane	9.58	129	308595	47.794	ug/l	99
61) 1,2-Dibromoethane	9.67	107	344462	52.371	ug/l	98
64) Tetrachloroethene	9.34	164	328601	48.095	ug/l	98
65) Chlorobenzene	10.14	112	902883	49.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	304277	53.427	ug/l	99
67) Ethyl Benzene	10.25	91	1496545	50.172	ug/l	98
68) m/p-Xylenes	10.36	106	1191277	101.212	ug/l	99
69) o-Xylene	10.70	106	590137	50.775	ug/l	100
70) Styrene	10.71	104	962434	52.341	ug/l	99
71) Bromoform	10.86	173	229560	45.161	ug/l #	100
73) Isopropylbenzene	11.02	105	1555807	49.906	ug/l	100
74) N-amyl acetate	10.90	43	590080	52.881	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	481277	51.910	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	444512m	55.656	ug/l	
77) Bromobenzene	11.26	156	424932	50.418	ug/l	98
78) n-propylbenzene	11.36	91	1733956	50.509	ug/l	100
79) 2-Chlorotoluene	11.42	91	1033064	49.657	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1292673	50.343	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	121756	44.283	ug/l #	81
82) 4-Chlorotoluene	11.51	91	1191414	49.926	ug/l	100
83) tert-Butylbenzene	11.77	119	1321850	51.435	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1330712	49.270	ug/l	100
85) sec-Butylbenzene	11.94	105	1581787	50.202	ug/l	99
86) p-Isopropyltoluene	12.07	119	1422654	51.364	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	767681	50.539	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	764514	49.038	ug/l	99
89) n-Butylbenzene	12.39	91	1197300	50.794	ug/l	99
90) Hexachloroethane	12.60	117	200889	46.584	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	751146	49.434	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	99482	51.857	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	525320	50.119	ug/l	98
94) Hexachlorobutadiene	13.78	225	240534	48.687	ug/l	100
95) Naphthalene	13.83	128	1690972	50.547	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	532979	49.250	ug/l	99

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

