

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006585.D
 Acq On : 17 Dec 2018 20:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 9:45:06 AM

Quant Time: Dec 18 02:18:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	599809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	930238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	851853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	438806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	295698	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	5.50	113	279418	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
50) Toluene-d8	8.71	98	1003465	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	11.13	95	377085	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	273510	46.571	ug/l	99
3) Chloromethane	1.33	50	275171	45.594	ug/l	96
4) Vinyl Chloride	1.41	62	306342	47.162	ug/l	98
5) Bromomethane	1.64	94	299004	66.422	ug/l	99
6) Chloroethane	1.71	64	197294	49.539	ug/l	98
7) Trichlorofluoromethane	1.93	101	492125	49.357	ug/l	98
8) Diethyl Ether	2.19	74	188294	49.898	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	280518	49.478	ug/l	98
10) Methyl Iodide	2.51	142	434553	50.859	ug/l	99
11) Tert butyl alcohol	3.08	59	362562	216.516	ug/l	100
12) 1,1-Dichloroethene	2.37	96	269281	49.615	ug/l	94
13) Acrolein	2.30	56	316506	345.819	ug/l	100
14) Allyl chloride	2.73	41	459524	42.861	ug/l	98
15) Acrylonitrile	3.15	53	840835	240.628	ug/l	99
16) Acetone	2.45	43	683571	237.886	ug/l	97
17) Carbon Disulfide	2.57	76	686431	41.044	ug/l	100
18) Methyl Acetate	2.78	43	480856	50.039	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	947451	48.934	ug/l	99
20) Methylene Chloride	2.85	84	301661	49.327	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	288367	49.857	ug/l	93
22) Diisopropyl ether	3.87	45	857517	51.206	ug/l	99
23) Vinyl Acetate	3.82	43	3441089	240.919	ug/l	100
24) 1,1-Dichloroethane	3.70	63	488529	51.038	ug/l	99
25) 2-Butanone	4.70	43	1030373	251.304	ug/l	98
26) 2,2-Dichloropropane	4.59	77	330713	37.438	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	337815	52.362	ug/l	96
28) Bromochloromethane	5.02	49	207522	49.636	ug/l	98
29) Tetrahydrofuran	5.15	42	707440	248.262	ug/l	98
30) Chloroform	5.21	83	529895	52.680	ug/l	98
31) Cyclohexane	5.57	56	440637	49.813	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	456244	47.672	ug/l	99
36) 1,1-Dichloropropene	5.80	75	383561	48.964	ug/l	99
37) Ethyl Acetate	4.86	43	405722	46.249	ug/l	98
38) Carbon Tetrachloride	5.78	117	385930	41.878	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	492061	48.392	ug/l	97
40) Benzene	6.14	78	1188812	50.669	ug/l	99
41) Methacrylonitrile	5.06	41	224338	46.474	ug/l	98
42) 1,2-Dichloroethane	6.20	62	397908	51.819	ug/l	100
43) Isopropyl Acetate	6.46	43	653179	44.658	ug/l	99
44) Trichloroethene	7.21	130	358107	50.383	ug/l	97
45) 1,2-Dichloropropane	7.51	63	294618	49.408	ug/l	99
46) Dibromomethane	7.66	93	213356	49.542	ug/l	96
47) Bromodichloromethane	7.90	83	372087	44.616	ug/l	99
48) Methyl methacrylate	7.77	41	331917	46.647	ug/l	98
49) 1,4-Dioxane	7.75	88	160986	917.960	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2046715	240.375	ug/l	99
52) Toluene	8.79	92	778580	50.440	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	402508	41.268	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	448368	44.271	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	323485	51.585	ug/l	100
56) Ethyl methacrylate	9.18	69	457350	46.652	ug/l	99
57) 1,3-Dichloropropane	9.37	76	513495	51.784	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1096153	220.344	ug/l	100
59) 2-Hexanone	9.49	43	1520686	233.764	ug/l	99
60) Dibromochloromethane	9.59	129	318686	41.214	ug/l	100
61) 1,2-Dibromoethane	9.67	107	349299	49.816	ug/l	100
64) Tetrachloroethene	9.34	164	334807	52.189	ug/l	97
65) Chlorobenzene	10.14	112	911546	50.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	305747	43.517	ug/l	99
67) Ethyl Benzene	10.25	91	1502776	49.967	ug/l	99
68) m/p-Xylenes	10.36	106	1192642	98.996	ug/l	99
69) o-Xylene	10.70	106	587436	49.364	ug/l	99
70) Styrene	10.71	104	948473	49.280	ug/l	99
71) Bromoform	10.86	173	235987	35.581	ug/l	99
73) Isopropylbenzene	11.02	105	1553026	51.249	ug/l	99
74) N-amyl acetate	10.90	43	555539	42.572	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	463102	47.769	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	426566m	50.364	ug/l	
77) Bromobenzene	11.26	156	411668	48.951	ug/l	98
78) n-propylbenzene	11.36	91	1708441	50.718	ug/l	100
79) 2-Chlorotoluene	11.42	91	1001942	50.044	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1274850	50.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	114029	31.594	ug/l #	82
82) 4-Chlorotoluene	11.51	91	1155810	49.653	ug/l	100
83) tert-Butylbenzene	11.77	119	1308041	48.623	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1309298	50.290	ug/l	100
85) sec-Butylbenzene	11.94	105	1560253	50.981	ug/l	100
86) p-Isopropyltoluene	12.07	119	1382862	50.180	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	741091	49.525	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	738713	48.638	ug/l	100
89) n-Butylbenzene	12.38	91	1166598	49.613	ug/l	99
90) Hexachloroethane	12.60	117	200815	35.754	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	725991	48.884	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	97344	39.170	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	513515	47.395	ug/l	99
94) Hexachlorobutadiene	13.78	225	230296	48.062	ug/l	99
95) Naphthalene	13.83	128	1644750	48.801	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	521891	48.631	ug/l	98

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

