

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\
 Data File : VX000581.D
 Acq On : 31 Mar 2018 00:20
 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

sam
 4/4/2018 10:29:40 AM

Quant Time: Mar 31 05:17:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	197839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	210009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	126943	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.51	113	105277	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	8.73	98	424900	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.15	95	163520	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	93502	42.884	ug/l	98
3) Chloromethane	1.32	50	98386	42.832	ug/l	97
4) Vinyl Chloride	1.40	62	117610	48.457	ug/l	96
5) Bromomethane	1.64	94	128928	44.375	ug/l	96
6) Chloroethane	1.72	64	78173	53.850	ug/l	93
7) Trichlorofluoromethane	1.93	101	213760	48.795	ug/l	99
8) Diethyl Ether	2.20	74	78006	49.827	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118640	48.568	ug/l	94
10) Methyl Iodide	2.51	142	159087	64.384	ug/l	97
11) Tert butyl alcohol	3.09	59	199436	224.510	ug/l	100
12) 1,1-Dichloroethene	2.38	96	114023	53.173	ug/l	91
13) Acrolein	2.30	56	127684	438.504	ug/l	99
14) Allyl chloride	2.73	41	180079	47.542	ug/l	98
15) Acrylonitrile	3.16	53	411630	228.789	ug/l	98
16) Acetone	2.45	43	391045	182.024	ug/l	99
17) Carbon Disulfide	2.57	76	296435	51.966	ug/l	98
18) Methyl Acetate	2.79	43	201026	44.634	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	392289	49.463	ug/l	97
20) Methylene Chloride	2.86	84	124411	50.139	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	122701	51.295	ug/l	94
22) Diisopropyl ether	3.89	45	290217	43.294	ug/l	94
23) Vinyl Acetate	3.84	43	1330404	209.351	ug/l	100
24) 1,1-Dichloroethane	3.70	63	142835	33.890	ug/l	99
25) 2-Butanone	4.72	43	490650	203.190	ug/l	100
26) 2,2-Dichloropropane	4.59	77	122282	41.395	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	103169	46.147	ug/l	97
28) Bromochloromethane	5.03	49	80827	46.507	ug/l	95
29) Tetrahydrofuran	5.18	42	323986	218.069	ug/l	97
30) Chloroform	5.23	83	191117	48.385	ug/l	97
31) Cyclohexane	5.59	56	150595	46.221	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	172556	48.425	ug/l	98
36) 1,1-Dichloropropene	5.81	75	142917	45.452	ug/l	97
37) Ethyl Acetate	4.87	43	179508	41.794	ug/l	100
38) Carbon Tetrachloride	5.79	117	152903	46.352	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	172126	45.012	ug/l	99
40) Benzene	6.15	78	428650	46.943	ug/l	100
41) Methacrylonitrile	5.07	41	93605	41.338	ug/l	96
42) 1,2-Dichloroethane	6.21	62	159063	44.397	ug/l	97
43) Isopropyl Acetate	6.48	43	278396	43.544	ug/l	98
44) Trichloroethene	7.22	130	121094	46.290	ug/l	96
45) 1,2-Dichloropropane	7.52	63	103370	44.226	ug/l	99
46) Dibromomethane	7.67	93	81996	44.694	ug/l	95
47) Bromodichloromethane	7.91	83	149896	46.438	ug/l	99
48) Methyl methacrylate	7.79	41	134655	43.382	ug/l	95
49) 1,4-Dioxane	7.77	88	61709	945.816	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	1025871	207.298	ug/l	96
52) Toluene	8.79	92	298730	46.796	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	174647	46.692	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	171911	47.382	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	123823	47.168	ug/l	97
56) Ethyl methacrylate	9.19	69	187326	47.091	ug/l	92
57) 1,3-Dichloropropane	9.38	76	196587	46.820	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	442539	231.795	ug/l	97
59) 2-Hexanone	9.51	43	841013	200.143	ug/l	96
60) Dibromochloromethane	9.59	129	135424	44.120	ug/l	98
61) 1,2-Dibromoethane	9.68	107	138787	49.300	ug/l	100
64) Tetrachloroethene	9.34	164	126342	46.565	ug/l	97
65) Chlorobenzene	10.15	112	358240	46.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	126058	47.701	ug/l	98
67) Ethyl Benzene	10.26	91	597727	45.315	ug/l	98
68) m/p-Xylenes	10.37	106	481465	92.759	ug/l	95
69) o-Xylene	10.71	106	233350	46.432	ug/l	96
70) Styrene	10.72	104	397863	47.846	ug/l	95
71) Bromoform	10.87	173	111729	41.473	ug/l #	96
73) Isopropylbenzene	11.02	105	632682	45.470	ug/l	99
74) N-amyl acetate	6.48	43	278396	45.613	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	211659	43.007	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	189052m	41.887	ug/l	
77) Bromobenzene	11.26	156	172619	46.569	ug/l	93
78) n-propylbenzene	11.37	91	729170	43.949	ug/l	98
79) 2-Chlorotoluene	11.43	91	410261	42.803	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	533469	45.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	58262	41.793	ug/l	97
82) 4-Chlorotoluene	11.52	91	500596	43.742	ug/l	95
83) tert-Butylbenzene	11.78	119	540050	45.768	ug/l	97
84) 1,2,4-Trimethylbenzene	11.82	105	551704	44.977	ug/l	99
85) sec-Butylbenzene	11.95	105	652959	44.722	ug/l	98
86) p-Isopropyltoluene	12.07	119	600743	46.330	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	326225	46.546	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	335728	45.626	ug/l	98
89) n-Butylbenzene	12.40	91	540225	44.746	ug/l	98
90) Hexachloroethane	12.60	117	88636	43.429	ug/l	90
91) 1,2-Dichlorobenzene	12.40	146	323103	47.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	57105	41.604	ug/l #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	248517	50.450	ug/l	98
94) Hexachlorobutadiene	13.79	225	92856	45.526	ug/l	99
95) Naphthalene	13.84	128	906539	52.830	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	242561	49.833	ug/l	99

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

