

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
 Data File : VX000457.D
 Acq On : 27 Mar 2018 13:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/28/2018 11:41:54 AM

Quant Time: Mar 28 07:18:55 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	5.67	168	140645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	225504	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	232171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152241	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	86492	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
35) Dibromofluoromethane	5.51	113	69115	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	8.72	98	282194	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.15	95	113001	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	86407	55.75	ug/l	98
3) Chloromethane	1.32	50	75554	46.27	ug/l	99
4) Vinyl Chloride	1.40	62	92383	53.54	ug/l	98
5) Bromomethane	1.64	94	115248	55.78	ug/l	96
6) Chloroethane	1.72	64	58938	56.62	ug/l	98
7) Trichlorofluoromethane	1.93	101	157941	50.71	ug/l	97
8) Diethyl Ether	2.19	74	54366	48.85	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	87325	50.29	ug/l	96
10) Methyl Iodide	2.51	142	64945	38.79	ug/l	98
11) Tert butyl alcohol	3.07	59	169427	268.29	ug/l	100
12) 1,1-Dichloroethene	2.38	96	76763	50.35	ug/l	98
13) Acrolein	2.29	56	49126	244.01	ug/l	99
14) Allyl chloride	2.73	41	141330	52.50	ug/l	97
15) Acrylonitrile	3.15	53	324380	253.61	ug/l	100
16) Acetone	2.45	43	424876	278.20	ug/l	96
17) Carbon Disulfide	2.57	76	217113	53.54	ug/l	100
18) Methyl Acetate	2.78	43	163429	51.04	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	275163	48.80	ug/l	99
20) Methylene Chloride	2.86	84	85580	48.51	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	83843	49.30	ug/l	95
22) Diisopropyl ether	3.87	45	273558	57.40	ug/l	97
23) Vinyl Acetate	3.83	43	1330066	294.41	ug/l	99
24) 1,1-Dichloroethane	3.70	63	153831	51.34	ug/l	98
25) 2-Butanone	4.71	43	453717	264.30	ug/l	98
26) 2,2-Dichloropropane	4.59	77	106754	50.83	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	77826	48.97	ug/l	98
28) Bromochloromethane	5.03	49	80242	64.95	ug/l	100
29) Tetrahydrofuran	5.17	42	282342	267.32	ug/l	98
30) Chloroform	5.23	83	147961	52.69	ug/l	94
31) Cyclohexane	5.59	56	120503	52.03	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	128875	50.87	ug/l	98
36) 1,1-Dichloropropene	5.81	75	109972	52.06	ug/l	98
37) Ethyl Acetate	4.87	43	149719	51.89	ug/l	99
38) Carbon Tetrachloride	5.79	117	115519	52.13	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	148447	57.79	ug/l	98
40) Benzene	6.15	78	329110	53.65	ug/l	95
41) Methacrylonitrile	5.07	41	76362	50.20	ug/l	99
42) 1,2-Dichloroethane	6.20	62	126057	52.38	ug/l	99
43) Isopropyl Acetate	6.48	43	235017	54.72	ug/l	99
44) Trichloroethene	7.22	130	92290	52.52	ug/l	97
45) 1,2-Dichloropropane	7.52	63	85153	54.23	ug/l	98
46) Dibromomethane	7.67	93	64317	52.19	ug/l	97
47) Bromodichloromethane	7.90	83	125815	58.02	ug/l	97
48) Methyl methacrylate	7.79	41	115504	55.39	ug/l	99
49) 1,4-Dioxane	7.76	88	49041	1118.90	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	932496	280.49	ug/l	99
52) Toluene	8.79	92	232828	54.29	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	142624	56.76	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	141684	58.13	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	95327	54.05	ug/l	96
56) Ethyl methacrylate	9.19	69	147739	55.29	ug/l	100
57) 1,3-Dichloropropane	9.38	76	157604	55.87	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	341263	266.08	ug/l	99
59) 2-Hexanone	9.51	43	811310	287.41	ug/l	99
60) Dibromochloromethane	9.59	129	102983	49.40	ug/l	100
61) 1,2-Dibromoethane	9.68	107	103255	54.60	ug/l	99
64) Tetrachloroethene	9.34	164	94931	52.69	ug/l	98
65) Chlorobenzene	10.15	112	267580	51.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	93317	53.18	ug/l	98
67) Ethyl Benzene	10.26	91	462881	52.85	ug/l	100
68) m/p-Xylenes	10.37	106	371843	107.89	ug/l	100
69) o-Xylene	10.71	106	178714	53.55	ug/l	99
70) Styrene	10.72	104	306051	55.43	ug/l	100
71) Bromoform	10.87	173	81936	45.31	ug/l #	97
73) Isopropylbenzene	11.02	105	495673	49.14	ug/l	100
74) N-amyl acetate	6.48	43	235017	53.70	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	177845	49.85	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	160126m	48.94	ug/l	
77) Bromobenzene	11.26	156	123163	45.83	ug/l	100
78) n-propylbenzene	11.37	91	605613	50.35	ug/l	99
79) 2-Chlorotoluene	11.43	91	335554	48.29	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	448635	52.90	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	53699	53.14	ug/l	99
82) 4-Chlorotoluene	11.52	91	432340	52.11	ug/l	99
83) tert-Butylbenzene	11.78	119	429193	50.18	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	467145	52.53	ug/l	100
85) sec-Butylbenzene	11.96	105	553405	52.29	ug/l	99
86) p-Isopropyltoluene	12.07	119	509676	54.22	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	251456	49.49	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	274599	51.48	ug/l	99
89) n-Butylbenzene	12.40	91	482548	55.14	ug/l	100
90) Hexachloroethane	12.60	117	78555	53.09	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	258609	51.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48613	48.86	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	181650	50.87	ug/l	98
94) Hexachlorobutadiene	13.79	225	79320	53.65	ug/l	98
95) Naphthalene	13.84	128	621886	49.99	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	172987	49.02	ug/l	98

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

