

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001205.D
 Acq On : 28 Apr 2018 06:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:43 PM

Quant Time: Apr 28 07:18:45 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	185102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	259758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	246887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167656	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	137729	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
35) Dibromofluoromethane	5.51	113	111953	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
50) Toluene-d8	8.72	98	393438	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.14	95	155089	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	84605	43.58	ug/l	98
3) Chloromethane	1.32	50	95160	46.81	ug/l	98
4) Vinyl Chloride	1.40	62	104191	48.30	ug/l	99
5) Bromomethane	1.64	94	89351	68.56	ug/l	100
6) Chloroethane	1.73	64	68005	50.09	ug/l	95
7) Trichlorofluoromethane	1.93	101	163229	46.86	ug/l	99
8) Diethyl Ether	2.19	74	66276	49.48	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	80991	42.20	ug/l	99
10) Methyl Iodide	2.51	142	75471	39.58	ug/l	98
11) Tert butyl alcohol	3.07	59	110551	195.38	ug/l	99
12) 1,1-Dichloroethene	2.38	96	87736	46.87	ug/l	97
13) Acrolein	2.30	56	36786	171.97	ug/l	98
14) Allyl chloride	2.73	41	164471	48.17	ug/l	97
15) Acrylonitrile	3.15	53	271206	224.45	ug/l	99
16) Acetone	2.45	43	239946	203.36	ug/l	98
17) Carbon Disulfide	2.57	76	214320	44.87	ug/l	99
18) Methyl Acetate	2.78	43	141915	48.06	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	345782	50.18	ug/l	98
20) Methylene Chloride	2.86	84	108021	49.16	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	99002	47.85	ug/l	99
22) Diisopropyl ether	3.88	45	340972	49.91	ug/l	96
23) Vinyl Acetate	3.83	43	1429438	246.62	ug/l	100
24) 1,1-Dichloroethane	3.70	63	175092	48.76	ug/l	98
25) 2-Butanone	4.71	43	367409	208.11	ug/l	99
26) 2,2-Dichloropropane	4.59	77	98502	34.85	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	114234	50.42	ug/l	96
28) Bromochloromethane	5.03	49	85788	53.28	ug/l	98
29) Tetrahydrofuran	5.17	42	240009	211.44	ug/l	99
30) Chloroform	5.22	83	196483	51.46	ug/l	100
31) Cyclohexane	5.59	56	121653	39.88	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	162933	49.43	ug/l	99
36) 1,1-Dichloropropene	5.81	75	126810	44.30	ug/l	100
37) Ethyl Acetate	4.87	43	149447	43.60	ug/l	100
38) Carbon Tetrachloride	5.79	117	136484	46.50	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	117118	36.97	ug/l	95
40) Benzene	6.15	78	414403	50.05	ug/l	99
41) Methacrylonitrile	5.07	41	86853	45.09	ug/l	98
42) 1,2-Dichloroethane	6.21	62	168276	50.43	ug/l	100
43) Isopropyl Acetate	6.48	43	252141	46.84	ug/l	99
44) Trichloroethene	7.22	130	120212	48.73	ug/l	96
45) 1,2-Dichloropropane	7.53	63	108846	49.98	ug/l	98
46) Dibromomethane	7.67	93	78343	51.95	ug/l	98
47) Bromodichloromethane	7.90	83	144947	52.90	ug/l	100
48) Methyl methacrylate	7.79	41	134132	46.87	ug/l	98
49) 1,4-Dioxane	7.76	88	45568	795.38	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	825532	233.44	ug/l	100
52) Toluene	8.79	92	265767	49.08	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	161371	50.66	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	149699	43.72	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	118257	51.62	ug/l	99
56) Ethyl methacrylate	9.19	69	169629	49.97	ug/l	99
57) 1,3-Dichloropropane	9.38	76	190186	51.32	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	395122	246.23	ug/l	100
59) 2-Hexanone	9.51	43	620505	223.95	ug/l	99
60) Dibromochloromethane	9.59	129	127082	47.66	ug/l	100
61) 1,2-Dibromoethane	9.68	107	124640	51.93	ug/l	99
64) Tetrachloroethene	9.34	164	128731	48.85	ug/l	97
65) Chlorobenzene	10.15	112	320430	49.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	118574	52.98	ug/l	99
67) Ethyl Benzene	10.26	91	497050	47.29	ug/l	99
68) m/p-Xylenes	10.37	106	396964	95.54	ug/l	100
69) o-Xylene	10.71	106	197487	49.01	ug/l	99
70) Styrene	10.72	104	337637	50.34	ug/l	100
71) Bromoform	10.86	173	102509	44.18	ug/l	100
73) Isopropylbenzene	11.02	105	497306	45.51	ug/l	99
74) N-amyl acetate	6.48	43	252141	45.79	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	176739	48.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	163604m	47.92	ug/l	
77) Bromobenzene	11.26	156	160810	49.63	ug/l	97
78) n-propylbenzene	11.37	91	555721	45.61	ug/l	100
79) 2-Chlorotoluene	11.43	91	351039	46.47	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	435405	47.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	37562	36.53	ug/l	97
82) 4-Chlorotoluene	11.52	91	418921	46.66	ug/l	98
83) tert-Butylbenzene	11.77	119	411619	44.58	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	455030	47.85	ug/l	100
85) sec-Butylbenzene	11.95	105	476004	44.13	ug/l	100
86) p-Isopropyltoluene	12.07	119	446548	44.51	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	281616	48.41	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	289291	47.73	ug/l	99
89) n-Butylbenzene	12.40	91	367473	42.32	ug/l	100
90) Hexachloroethane	12.60	117	65887	41.32	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	291985	49.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	37745	47.17	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	214064	46.44	ug/l	100
94) Hexachlorobutadiene	13.79	225	84957	39.21	ug/l	100
95) Naphthalene	13.84	128	630411	49.09	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	220434	48.06	ug/l	99

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

