

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003370.D
 Acq On : 13 Jul 2018 18:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:45 AM

Quant Time: Jul 14 02:57:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 17:01:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	333585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	477453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	450485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270762	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	173037	47.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.26%		
35) Dibromofluoromethane	5.51	113	160143	45.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.14%		
50) Toluene-d8	8.72	98	544662	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.24%		
62) 4-Bromofluorobenzene	11.14	95	219933	44.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.88%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	144023	54.56	ug/l	100
3) Chloromethane	1.32	50	177157	54.86	ug/l	99
4) Vinyl Chloride	1.40	62	205250	47.65	ug/l	100
5) Bromomethane	1.64	94	98586	40.46	ug/l	99
6) Chloroethane	1.71	64	129010	53.37	ug/l	98
7) Trichlorofluoromethane	1.92	101	280840	45.26	ug/l	97
8) Diethyl Ether	2.19	74	119157	43.36	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	173192	43.42	ug/l	96
10) Methyl Iodide	2.51	142	191561	47.29	ug/l	94
11) Tert butyl alcohol	3.08	59	212735	219.92	ug/l	100
12) 1,1-Dichloroethene	2.37	96	164107	44.31	ug/l	90
13) Acrolein	2.29	56	118356	371.25	ug/l	99
14) Allyl chloride	2.73	41	317105	44.64	ug/l	88
15) Acrylonitrile	3.15	53	516413	213.83	ug/l	97
16) Acetone	2.45	43	402131	214.75	ug/l	90
17) Carbon Disulfide	2.57	76	460432	50.63	ug/l	97
18) Methyl Acetate	2.78	43	245597	42.24	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	563980	42.59	ug/l	99
20) Methylene Chloride	2.85	84	187788	47.03	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	176922	44.77	ug/l	96
22) Diisopropyl ether	3.87	45	558308	42.22	ug/l	97
23) Vinyl Acetate	3.83	43	2350775	217.56	ug/l	96
24) 1,1-Dichloroethane	3.70	63	336740	44.92	ug/l	99
25) 2-Butanone	4.71	43	638860	220.11	ug/l	92
26) 2,2-Dichloropropane	4.59	77	239045	45.05	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	196060	45.13	ug/l	94
28) Bromochloromethane	5.03	49	158660	46.45	ug/l	91
29) Tetrahydrofuran	5.17	42	414004	223.29	ug/l	91
30) Chloroform	5.22	83	314822	43.81	ug/l	99
31) Cyclohexane	5.57	56	284169	49.53	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	270913	45.25	ug/l	98
36) 1,1-Dichloropropene	5.80	75	239390	47.20	ug/l	99
37) Ethyl Acetate	4.87	43	246058	44.27	ug/l	97
38) Carbon Tetrachloride	5.79	117	240340	46.48	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	284789	49.60	ug/l	95
40) Benzene	6.15	78	733479	46.17	ug/l	99
41) Methacrylonitrile	5.07	41	139202	43.72	ug/l	93
42) 1,2-Dichloroethane	6.20	62	242122	43.63	ug/l	96
43) Isopropyl Acetate	6.47	43	391284	44.92	ug/l	94
44) Trichloroethene	7.21	130	205729	45.70	ug/l	96
45) 1,2-Dichloropropane	7.52	63	188672	44.77	ug/l	99
46) Dibromomethane	7.67	93	121561	44.87	ug/l	96
47) Bromodichloromethane	7.90	83	230767	45.17	ug/l	99
48) Methyl methacrylate	7.78	41	202024	45.44	ug/l	86
49) 1,4-Dioxane	7.76	88	90511	932.94	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1281147	225.00	ug/l	92
52) Toluene	8.79	92	464727	46.16	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	287063	47.84	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	258312	47.13	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	186561	44.40	ug/l	97
56) Ethyl methacrylate	9.18	69	282078	47.00	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	306970	45.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	726803	249.20	ug/l	98
59) 2-Hexanone	9.50	43	971726	231.38	ug/l	89
60) Dibromochloromethane	9.59	129	190502	46.71	ug/l	99
61) 1,2-Dibromoethane	9.68	107	195469	46.14	ug/l	100
64) Tetrachloroethene	9.34	164	225976	46.32	ug/l	99
65) Chlorobenzene	10.14	112	523402	45.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	187632	45.87	ug/l	99
67) Ethyl Benzene	10.26	91	888757	47.21	ug/l	100
68) m/p-Xylenes	10.36	106	695406	95.90	ug/l	97
69) o-Xylene	10.70	106	338685	47.82	ug/l	95
70) Styrene	10.71	104	567182	47.65	ug/l	97
71) Bromoform	10.86	173	148498	47.42	ug/l	99
73) Isopropylbenzene	11.02	105	897508	47.94	ug/l	100
74) N-amyl acetate	6.47	43	391284	45.09	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	271162	44.37	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	274767m	51.37	ug/l	
77) Bromobenzene	11.26	156	243881	46.10	ug/l	98
78) n-propylbenzene	11.37	91	1016600	48.04	ug/l	99
79) 2-Chlorotoluene	11.43	91	602910	46.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	746040	48.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	79647	49.64	ug/l	91
82) 4-Chlorotoluene	11.51	91	708834	46.55	ug/l	99
83) tert-Butylbenzene	11.77	119	723054	47.07	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	763800	48.53	ug/l	98
85) sec-Butylbenzene	11.95	105	870154	47.39	ug/l	100
86) p-Isopropyltoluene	12.07	119	786951	47.91	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	441841	44.73	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	445414	44.42	ug/l	99
89) n-Butylbenzene	12.39	91	667792	47.51	ug/l	99
90) Hexachloroethane	12.60	117	115318	46.84	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	446162	45.14	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	56266	46.43	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	315440	46.65	ug/l	100
94) Hexachlorobutadiene	13.79	225	147864	46.34	ug/l	98
95) Naphthalene	13.84	128	915919	48.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	315145	46.18	ug/l	100

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

