

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102418\
 Data File : VX005555.D
 Acq On : 24 Oct 2018 21:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:45 AM

Quant Time: Oct 25 05:40:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315299	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168887	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	128091	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
35) Dibromofluoromethane	5.49	113	103664	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	8.71	98	384289	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	145266	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	75857	34.047	ug/l	98
3) Chloromethane	1.32	50	108957	38.401	ug/l	100
4) Vinyl Chloride	1.40	62	114173	40.923	ug/l	98
5) Bromomethane	1.64	94	75984	43.769	ug/l	99
6) Chloroethane	1.71	64	78305	43.935	ug/l #	87
7) Trichlorofluoromethane	1.92	101	169411	43.700	ug/l	94
8) Diethyl Ether	2.19	74	69115	44.674	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99736	44.840	ug/l	99
10) Methyl Iodide	2.51	142	117123	50.396	ug/l	96
11) Tert butyl alcohol	3.07	59	177641	239.578	ug/l	99
12) 1,1-Dichloroethene	2.37	96	93396	44.078	ug/l	93
13) Acrolein	2.29	56	90944	240.445	ug/l	96
14) Allyl chloride	2.73	41	213522	45.152	ug/l	96
15) Acrylonitrile	3.15	53	375622	225.915	ug/l	97
16) Acetone	2.45	43	342980	235.563	ug/l	94
17) Carbon Disulfide	2.57	76	279047	43.202	ug/l	99
18) Methyl Acetate	2.78	43	179911	50.019	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	355952	47.094	ug/l	98
20) Methylene Chloride	2.85	84	107616	44.131	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	103581	44.772	ug/l	94
22) Diisopropyl ether	3.87	45	388410	47.034	ug/l #	91
23) Vinyl Acetate	3.82	43	1737737	238.931	ug/l	96
24) 1,1-Dichloroethane	3.70	63	209063	46.564	ug/l	98
25) 2-Butanone	4.70	43	528315	238.281	ug/l	94
26) 2,2-Dichloropropane	4.58	77	138413	39.931	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	114965	46.094	ug/l	91
28) Bromochloromethane	5.02	49	99320	45.737	ug/l	92
29) Tetrahydrofuran	5.15	42	347874	241.093	ug/l	94
30) Chloroform	5.21	83	194712	46.363	ug/l	95
31) Cyclohexane	5.57	56	173402	46.679	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	167735	45.252	ug/l	99
36) 1,1-Dichloropropene	5.80	75	145368	47.508	ug/l	100
37) Ethyl Acetate	4.86	43	191409	49.021	ug/l	98
38) Carbon Tetrachloride	5.78	117	148582	46.104	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	164276	48.620	ug/l	95
40) Benzene	6.14	78	435602	49.662	ug/l	100
41) Methacrylonitrile	5.06	41	106232	48.842	ug/l	94
42) 1,2-Dichloroethane	6.20	62	156487	46.963	ug/l	96
43) Isopropyl Acetate	6.46	43	282899	48.350	ug/l	95
44) Trichloroethene	7.21	130	114556	47.941	ug/l	93
45) 1,2-Dichloropropane	7.52	63	115097	48.807	ug/l	100
46) Dibromomethane	7.66	93	73605	48.327	ug/l	98
47) Bromodichloromethane	7.90	83	145965	49.378	ug/l	99
48) Methyl methacrylate	7.77	41	147760	51.838	ug/l	93
49) 1,4-Dioxane	7.76	88	64009	1027.569	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	992322	252.351	ug/l	93
52) Toluene	8.79	92	266555	50.003	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	161309	50.491	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	173040	50.307	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	108865	48.438	ug/l	96
56) Ethyl methacrylate	9.18	69	174465	52.043	ug/l	92
57) 1,3-Dichloropropane	9.37	76	185338	48.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	478932	255.797	ug/l	93
59) 2-Hexanone	9.50	43	793480	255.926	ug/l	92
60) Dibromochloromethane	9.59	129	119177	50.824	ug/l	100
61) 1,2-Dibromoethane	9.67	107	115618	49.725	ug/l	100
64) Tetrachloroethene	9.34	164	116532	47.107	ug/l	98
65) Chlorobenzene	10.14	112	301176	47.462	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	110409	47.718	ug/l	99
67) Ethyl Benzene	10.25	91	521129	49.915	ug/l	96
68) m/p-Xylenes	10.36	106	401913	99.224	ug/l	93
69) o-Xylene	10.70	106	193405	50.751	ug/l	95
70) Styrene	10.71	104	326679	51.208	ug/l	96
71) Bromoform	10.86	173	99875	48.373	ug/l	99
73) Isopropylbenzene	11.02	105	534744	51.797	ug/l	99
74) N-amyl acetate	10.90	43	263477	51.506	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	181497	47.653	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	171413m	49.829	ug/l	
77) Bromobenzene	11.26	156	139814	48.595	ug/l	97
78) n-propylbenzene	11.36	91	616119	52.192	ug/l	99
79) 2-Chlorotoluene	11.42	91	361027	49.325	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	458058	51.866	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	52486	47.927	ug/l	100
82) 4-Chlorotoluene	11.51	91	433970	50.282	ug/l	99
83) tert-Butylbenzene	11.77	119	449603	51.072	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	469800	52.488	ug/l	97
85) sec-Butylbenzene	11.94	105	542394	51.635	ug/l	98
86) p-Isopropyltoluene	12.07	119	489090	52.084	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	262065	48.438	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	264061	46.662	ug/l	98
89) n-Butylbenzene	12.39	91	433547	51.142	ug/l	97
90) Hexachloroethane	12.60	117	80550	49.735	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	263866	48.205	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45067	48.937	ug/l	96

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93) 1,2,4-Trichlorobenzene	13.65	180	199086	50.173	ug/l	98
94) Hexachlorobutadiene	13.79	225	94497	45.955	ug/l	96
95) Naphthalene	13.83	128	617516	53.538	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	202312	50.297	ug/l	99

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

