

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042219\
 Data File : VX009095.D
 Acq On : 22 Apr 2019 14:25
 Operator : JC/SP
 Sample : VX0422WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 10:30:51 AM

Quant Time: Apr 23 03:49:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	197181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	326886	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133826	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	140252	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	5.50	113	104127	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.71	98	417243	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	147870	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	52454	23.096	ug/l	96
3) Chloromethane	1.32	50	64945	23.292	ug/l	99
4) Vinyl Chloride	1.40	62	60622	22.339	ug/l	98
5) Bromomethane	1.64	94	31982	21.220	ug/l	97
6) Chloroethane	1.72	64	38584	24.178	ug/l	95
7) Trichlorofluoromethane	1.93	101	68944	21.759	ug/l	99
8) Diethyl Ether	2.19	74	30790	21.249	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	43017	21.234	ug/l	99
10) Methyl Iodide	2.51	142	42456	21.890	ug/l	100
11) Tert butyl alcohol	3.04	59	72719	117.892	ug/l	100
12) 1,1-Dichloroethene	2.37	96	45089	21.323	ug/l	97
13) Acrolein	2.29	56	41206	77.315	ug/l	99
14) Allyl chloride	2.73	41	103590	22.455	ug/l	99
15) Acrylonitrile	3.14	53	178865	114.232	ug/l	100
16) Acetone	2.45	43	156987	108.940	ug/l	100
17) Carbon Disulfide	2.57	76	134464	22.350	ug/l	100
18) Methyl Acetate	2.78	43	79133	22.003	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	167035	22.170	ug/l	98
20) Methylene Chloride	2.85	84	54364	22.060	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	47989	21.277	ug/l	92
22) Diisopropyl ether	3.85	45	204815	22.848	ug/l	97
23) Vinyl Acetate	3.81	43	907893	115.214	ug/l	99
24) 1,1-Dichloroethane	3.70	63	99403	22.090	ug/l	99
25) 2-Butanone	4.67	43	265867	115.423	ug/l	97
26) 2,2-Dichloropropane	4.58	77	65972	19.558	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	55184	21.550	ug/l	100
28) Bromochloromethane	5.02	49	38282	19.297	ug/l	99
29) Tetrahydrofuran	5.13	42	177200	114.937	ug/l	99
30) Chloroform	5.21	83	89987	22.347	ug/l	99
31) Cyclohexane	5.58	56	95947	21.678	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	73494	22.021	ug/l	99
36) 1,1-Dichloropropene	5.80	75	70236	20.776	ug/l	99
37) Ethyl Acetate	4.83	43	100606	23.127	ug/l	100
38) Carbon Tetrachloride	5.78	117	60540	21.123	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	85554	20.785	ug/l	98
40) Benzene	6.14	78	216249	21.683	ug/l	100
41) Methacrylonitrile	5.04	41	56302	22.551	ug/l	99
42) 1,2-Dichloroethane	6.19	62	77229	21.860	ug/l	99
43) Isopropyl Acetate	6.45	43	153021	21.828	ug/l	100
44) Trichloroethene	7.21	130	51099	20.911	ug/l	97
45) 1,2-Dichloropropane	7.51	63	61768	22.324	ug/l	98
46) Dibromomethane	7.66	93	34352	21.333	ug/l	99
47) Bromodichloromethane	7.90	83	67337	21.321	ug/l	97
48) Methyl methacrylate	7.77	41	77658	22.419	ug/l	99
49) 1,4-Dioxane	7.74	88	29665	457.558	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	511679	114.569	ug/l	99
52) Toluene	8.78	92	129296	21.632	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	76145	20.949	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	85291	20.957	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52952	22.353	ug/l	98
56) Ethyl methacrylate	9.18	69	93021	21.899	ug/l	99
57) 1,3-Dichloropropane	9.37	76	92018	21.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	219535	95.976	ug/l	100
59) 2-Hexanone	9.49	43	393283	114.217	ug/l	100
60) Dibromochloromethane	9.58	129	49275	21.703	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53338	21.816	ug/l	99
64) Tetrachloroethene	9.34	164	46209	20.979	ug/l	99
65) Chlorobenzene	10.14	112	130261	21.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	46476	21.557	ug/l	99
67) Ethyl Benzene	10.25	91	240565	21.503	ug/l	100
68) m/p-Xylenes	10.36	106	174008	42.797	ug/l	99
69) o-Xylene	10.69	106	84270	21.301	ug/l	98
70) Styrene	10.71	104	146847	21.420	ug/l	99
71) Bromoform	10.85	173	36538	21.272	ug/l #	97
73) Isopropylbenzene	11.02	105	225930	22.273	ug/l	99
74) N-amyl acetate	10.90	43	130484	22.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84539	22.809	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	73480m	22.486	ug/l	
77) Bromobenzene	11.26	156	54529	21.306	ug/l	98
78) n-propylbenzene	11.36	91	258082	22.167	ug/l	99
79) 2-Chlorotoluene	11.42	91	156133	22.254	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	190581	22.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	26590	20.890	ug/l	95
82) 4-Chlorotoluene	11.51	91	178926	21.959	ug/l	99
83) tert-Butylbenzene	11.77	119	180408	22.075	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	190403	21.974	ug/l	99
85) sec-Butylbenzene	11.94	105	216197	22.181	ug/l	100
86) p-Isopropyltoluene	12.06	119	194477	21.702	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	95496	21.319	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	96214	21.188	ug/l	99
89) n-Butylbenzene	12.38	91	175327	21.008	ug/l	100
90) Hexachloroethane	12.60	117	31817	21.524	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	96504	21.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18057	21.398	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	65686	20.571	ug/l	99
94) Hexachlorobutadiene	13.78	225	33525	21.051	ug/l	99
95) Naphthalene	13.83	128	218836	21.392	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	66242	21.026	ug/l	100

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

