

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007682.D
 Acq On : 25 Feb 2019 19:00
 Operator : JC/SP
 Sample : VX0225WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 2:58:03 PM

Quant Time: Feb 26 04:40:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	324486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	519115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	471755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219735	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	194211	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	5.50	113	175371	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	8.71	98	644446	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.13	95	219744	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	56917	19.041	ug/l	98
3) Chloromethane	1.33	50	64219	19.387	ug/l	95
4) Vinyl Chloride	1.41	62	65616	19.308	ug/l	99
5) Bromomethane	1.64	94	44106	19.661	ug/l	96
6) Chloroethane	1.72	64	42285	19.476	ug/l	97
7) Trichlorofluoromethane	1.93	101	101111	19.408	ug/l	99
8) Diethyl Ether	2.19	74	40121	18.765	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56524	17.951	ug/l	92
10) Methyl Iodide	2.51	142	76570	19.529	ug/l	97
11) Tert butyl alcohol	3.07	59	74652	97.890	ug/l	97
12) 1,1-Dichloroethene	2.38	96	55922	19.702	ug/l	99
13) Acrolein	2.29	56	53861	79.480	ug/l	99
14) Allyl chloride	2.73	41	96250	18.340	ug/l	96
15) Acrylonitrile	3.15	53	175894	98.010	ug/l	98
16) Acetone	2.45	43	155989	87.271	ug/l	99
17) Carbon Disulfide	2.57	76	147100	18.628	ug/l	97
18) Methyl Acetate	2.78	43	79809	20.462	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	193544	19.581	ug/l	98
20) Methylene Chloride	2.86	84	62406	18.908	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	60157	19.496	ug/l	97
22) Diisopropyl ether	3.87	45	208675	19.100	ug/l	93
23) Vinyl Acetate	3.82	43	882243	92.042	ug/l	99
24) 1,1-Dichloroethane	3.70	63	118134	19.896	ug/l	99
25) 2-Butanone	4.70	43	253153	92.979	ug/l	98
26) 2,2-Dichloropropane	4.58	77	75250	15.877	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	76637	19.519	ug/l	98
28) Bromochloromethane	5.02	49	52548	18.179	ug/l	99
29) Tetrahydrofuran	5.15	42	169133	94.239	ug/l	99
30) Chloroform	5.21	83	121378	19.084	ug/l	99
31) Cyclohexane	5.57	56	100017	17.908	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	100879	19.179	ug/l	98
36) 1,1-Dichloropropene	5.80	75	86405	18.514	ug/l	99
37) Ethyl Acetate	4.85	43	96577	18.629	ug/l	97
38) Carbon Tetrachloride	5.78	117	88517	18.881	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	98433	16.688	ug/l	99
40) Benzene	6.14	78	279455	19.397	ug/l	98
41) Methacrylonitrile	5.06	41	51456	18.587	ug/l	97
42) 1,2-Dichloroethane	6.20	62	92503	19.103	ug/l	98
43) Isopropyl Acetate	6.46	43	146385	18.346	ug/l	98
44) Trichloroethene	7.21	130	79164	19.975	ug/l	96
45) 1,2-Dichloropropane	7.52	63	69605	18.651	ug/l	97
46) Dibromomethane	7.66	93	48938	18.797	ug/l	93
47) Bromodichloromethane	7.90	83	82628	18.314	ug/l	97
48) Methyl methacrylate	7.77	41	76061	18.186	ug/l	99
49) 1,4-Dioxane	7.75	88	34719	384.343	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	501738	93.942	ug/l	99
52) Toluene	8.78	92	175672	19.337	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86685	17.391	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	99596	18.190	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	73543	19.413	ug/l	98
56) Ethyl methacrylate	9.18	69	102420	19.011	ug/l	96
57) 1,3-Dichloropropane	9.37	76	117421	19.363	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	285230	96.009	ug/l	99
59) 2-Hexanone	9.49	43	377922	90.129	ug/l	99
60) Dibromochloromethane	9.58	129	70152	19.244	ug/l	98
61) 1,2-Dibromoethane	9.67	107	76251	19.386	ug/l	98
64) Tetrachloroethene	9.34	164	74698	19.505	ug/l	93
65) Chlorobenzene	10.14	112	193666	18.981	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	65699	18.460	ug/l	95
67) Ethyl Benzene	10.25	91	313542	18.551	ug/l	99
68) m/p-Xylenes	10.36	106	247086	37.577	ug/l	100
69) o-Xylene	10.70	106	119263	18.857	ug/l	99
70) Styrene	10.71	104	191468	18.417	ug/l	99
71) Bromoform	10.85	173	46654	17.481	ug/l #	100
73) Isopropylbenzene	11.02	105	313478	19.961	ug/l	99
74) N-amyl acetate	10.90	43	127763	18.734	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	105778	19.474	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	102196m	21.819	ug/l	
77) Bromobenzene	11.26	156	83125	21.103	ug/l	94
78) n-propylbenzene	11.36	91	349425	19.690	ug/l	99
79) 2-Chlorotoluene	11.42	91	211012	19.747	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	253525	19.626	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27259	17.666	ug/l	96
82) 4-Chlorotoluene	11.51	91	238636	19.090	ug/l	98
83) tert-Butylbenzene	11.77	119	242156	19.524	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	264333	20.004	ug/l	99
85) sec-Butylbenzene	11.94	105	299682	19.282	ug/l	99
86) p-Isopropyltoluene	12.06	119	261505	19.212	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	142713	19.532	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	142195	19.002	ug/l	98
89) n-Butylbenzene	12.38	91	219534	18.085	ug/l	98
90) Hexachloroethane	12.60	117	42963	18.733	ug/l	85
91) 1,2-Dichlorobenzene	12.39	146	142726	19.523	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21068	17.801	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85682	19.200	ug/l	98
94) Hexachlorobutadiene	13.78	225	36499	17.879	ug/l	96
95) Naphthalene	13.83	128	291062	20.132	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	88631	19.780	ug/l	97

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

