

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009564.D
 Acq On : 14 May 2019 16:03
 Operator : JC/SP
 Sample : VX0514WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 12:25:51 PM

Quant Time: May 15 08:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	158363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109060	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	97794	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
35) Dibromofluoromethane	5.49	113	72983	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
50) Toluene-d8	8.71	98	289987	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
62) 4-Bromofluorobenzene	11.13	95	105484	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	25252	17.304	ug/l	99
3) Chloromethane	1.32	50	37942	19.044	ug/l	97
4) Vinyl Chloride	1.41	62	37230	19.163	ug/l	97
5) Bromomethane	1.64	94	22809	19.560	ug/l	97
6) Chloroethane	1.72	64	24527	19.663	ug/l	98
7) Trichlorofluoromethane	1.93	101	47347	20.049	ug/l	97
8) Diethyl Ether	2.19	74	22146	19.797	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29210	19.696	ug/l	98
10) Methyl Iodide	2.51	142	32741	21.849	ug/l	99
11) Tert butyl alcohol	3.04	59	46695	93.313	ug/l	98
12) 1,1-Dichloroethene	2.37	96	29440	19.813	ug/l	95
13) Acrolein	2.29	56	33645	74.240	ug/l	99
14) Allyl chloride	2.73	41	67920	18.756	ug/l	97
15) Acrylonitrile	3.14	53	118874	97.155	ug/l	99
16) Acetone	2.44	43	113617	97.876	ug/l	96
17) Carbon Disulfide	2.57	76	78661	18.856	ug/l	100
18) Methyl Acetate	2.78	43	53805	19.490	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	114923	19.917	ug/l	98
20) Methylene Chloride	2.86	84	35772	19.032	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	31641	19.635	ug/l	99
22) Diisopropyl ether	3.85	45	139527	20.036	ug/l	95
23) Vinyl Acetate	3.81	43	615228	103.170	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67391	19.617	ug/l	99
25) 2-Butanone	4.67	43	178554	98.983	ug/l	98
26) 2,2-Dichloropropane	4.59	77	49703	19.437	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	38292	19.908	ug/l	99
28) Bromochloromethane	5.01	49	23548	15.116	ug/l	99
29) Tetrahydrofuran	5.13	42	115411	99.424	ug/l	100
30) Chloroform	5.21	83	62671	20.170	ug/l	98
31) Cyclohexane	5.58	56	64343	20.131	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	50882	19.672	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47750	20.634	ug/l	100
37) Ethyl Acetate	4.83	43	67406	20.906	ug/l	99
38) Carbon Tetrachloride	5.79	117	42096	20.022	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	56611	19.920	ug/l	95
40) Benzene	6.15	78	146356	20.436	ug/l	98
41) Methacrylonitrile	5.04	41	37322	19.446	ug/l	97
42) 1,2-Dichloroethane	6.19	62	53592	20.861	ug/l	100
43) Isopropyl Acetate	6.44	43	104694	20.300	ug/l	100
44) Trichloroethene	7.21	130	34325	19.825	ug/l	97
45) 1,2-Dichloropropane	7.51	63	41591	20.509	ug/l	98
46) Dibromomethane	7.66	93	24016	20.393	ug/l	99
47) Bromodichloromethane	7.90	83	47190	20.089	ug/l	98
48) Methyl methacrylate	7.77	41	52242	20.417	ug/l	99
49) 1,4-Dioxane	7.74	88	19763	380.863	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	342513	101.607	ug/l	100
52) Toluene	8.78	92	88631	20.359	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52793	19.906	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	59702	20.338	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	35998	20.268	ug/l	96
56) Ethyl methacrylate	9.18	69	63743	20.106	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64137	20.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	152544	90.697	ug/l	100
59) 2-Hexanone	9.49	43	262607	99.190	ug/l	99
60) Dibromochloromethane	9.58	129	34665	19.983	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36512	20.365	ug/l	99
64) Tetrachloroethene	9.34	164	31128	20.258	ug/l	98
65) Chlorobenzene	10.13	112	90978	20.302	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	33019	20.324	ug/l	99
67) Ethyl Benzene	10.25	91	167460	20.305	ug/l	100
68) m/p-Xylenes	10.36	106	125103	41.511	ug/l	99
69) o-Xylene	10.69	106	61688	20.746	ug/l	99
70) Styrene	10.71	104	104500	20.220	ug/l	98
71) Bromoform	10.85	173	25669	19.443	ug/l #	98
73) Isopropylbenzene	11.02	105	162317	20.467	ug/l	100
74) N-amyl acetate	10.90	43	91116	19.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	59145	20.005	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	51062m	20.184	ug/l	
77) Bromobenzene	11.26	156	40209	20.427	ug/l	98
78) n-propylbenzene	11.36	91	187021	20.649	ug/l	100
79) 2-Chlorotoluene	11.42	91	110809	19.830	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	136754	20.479	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18290	18.499	ug/l	92
82) 4-Chlorotoluene	11.51	91	126781	20.083	ug/l	99
83) tert-Butylbenzene	11.77	119	132378	20.378	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	138330	20.638	ug/l	100
85) sec-Butylbenzene	11.94	105	155684	20.215	ug/l	100
86) p-Isopropyltoluene	12.06	119	143168	20.678	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	70950	20.219	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	71076	20.090	ug/l	99
89) n-Butylbenzene	12.38	91	127215	20.329	ug/l	99
90) Hexachloroethane	12.60	117	22896	19.411	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	71858	20.105	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13485	20.333	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	49466	20.239	ug/l	99
94) Hexachlorobutadiene	13.78	225	25710	20.599	ug/l	99
95) Naphthalene	13.83	128	163634	20.578	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	51330	20.718	ug/l	99

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

