

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009589.D
 Acq On : 15 May 2019 18:44
 Operator : JC/SP
 Sample : VX0515WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 12:32:49 PM

Quant Time: May 16 02:18:47 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	145596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	234682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	211437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102920	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	95342	47.97	ug/l	0.00
Spiked Amount						
			Recovery	=	95.94%	
35) Dibromofluoromethane	5.50	113	70126	47.53	ug/l	0.00
Spiked Amount						
			Recovery	=	95.06%	
50) Toluene-d8	8.71	98	277543	46.60	ug/l	0.00
Spiked Amount						
			Recovery	=	93.20%	
62) 4-Bromofluorobenzene	11.13	95	100756	46.55	ug/l	0.00
Spiked Amount						
			Recovery	=	93.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	22969	17.119	ug/l	99
3) Chloromethane	1.32	50	36078	19.696	ug/l	99
4) Vinyl Chloride	1.40	62	34694	19.423	ug/l	98
5) Bromomethane	1.64	94	21895	20.423	ug/l	95
6) Chloroethane	1.71	64	22629	19.732	ug/l	99
7) Trichlorofluoromethane	1.93	101	43860	20.201	ug/l	94
8) Diethyl Ether	2.19	74	20343	19.780	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	27184	19.938	ug/l	99
10) Methyl Iodide	2.51	142	29913	21.741	ug/l	99
11) Tert butyl alcohol	3.05	59	51446	111.822	ug/l	98
12) 1,1-Dichloroethene	2.37	96	26950	19.728	ug/l	96
13) Acrolein	2.29	56	36274	87.060	ug/l	97
14) Allyl chloride	2.73	41	64290	19.311	ug/l	98
15) Acrylonitrile	3.14	53	119818	106.514	ug/l	100
16) Acetone	2.45	43	106014	99.335	ug/l	99
17) Carbon Disulfide	2.57	76	72843	18.992	ug/l	98
18) Methyl Acetate	2.78	43	52509	20.688	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	106960	20.162	ug/l	99
20) Methylene Chloride	2.85	84	34042	19.700	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	29146	19.673	ug/l	95
22) Diisopropyl ether	3.85	45	130227	20.340	ug/l	92
23) Vinyl Acetate	3.82	43	572357	104.397	ug/l	99
24) 1,1-Dichloroethane	3.70	63	62595	19.818	ug/l	100
25) 2-Butanone	4.67	43	178784	107.801	ug/l	98
26) 2,2-Dichloropropane	4.58	77	38694	16.459	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	35472	20.059	ug/l	98
28) Bromochloromethane	5.01	49	22208	15.580	ug/l	99
29) Tetrahydrofuran	5.13	42	117709	110.296	ug/l	100
30) Chloroform	5.21	83	58172	20.364	ug/l	100
31) Cyclohexane	5.58	56	58494	19.906	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	47150	19.828	ug/l	99
36) 1,1-Dichloropropene	5.81	75	42337	19.412	ug/l	99
37) Ethyl Acetate	4.84	43	65298	21.489	ug/l	98
38) Carbon Tetrachloride	5.79	117	38642	19.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	51765	19.327	ug/l	98
40) Benzene	6.14	78	135534	20.080	ug/l	99
41) Methacrylonitrile	5.04	41	37085	20.502	ug/l	97
42) 1,2-Dichloroethane	6.20	62	51005	21.066	ug/l	99
43) Isopropyl Acetate	6.45	43	102400	21.068	ug/l	99
44) Trichloroethene	7.21	130	31801	19.489	ug/l	100
45) 1,2-Dichloropropane	7.51	63	38929	20.369	ug/l	98
46) Dibromomethane	7.66	93	22335	20.124	ug/l	99
47) Bromodichloromethane	7.90	83	43423	19.614	ug/l	99
48) Methyl methacrylate	7.77	41	50394	20.898	ug/l	98
49) 1,4-Dioxane	7.74	88	21872	447.248	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	344692	108.498	ug/l	100
52) Toluene	8.79	92	83196	20.277	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	47813	19.129	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	53709	19.414	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	34202	20.433	ug/l	97
56) Ethyl methacrylate	9.18	69	61012	20.419	ug/l	98
57) 1,3-Dichloropropane	9.37	76	59806	20.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	146280	92.285	ug/l	100
59) 2-Hexanone	9.49	43	270509	108.415	ug/l	97
60) Dibromochloromethane	9.58	129	32019	19.585	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34602	20.479	ug/l	99
64) Tetrachloroethene	9.34	164	29748	20.511	ug/l	95
65) Chlorobenzene	10.14	112	85331	20.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	30345	19.789	ug/l	99
67) Ethyl Benzene	10.25	91	155087	19.923	ug/l	100
68) m/p-Xylenes	10.36	106	115027	40.437	ug/l	99
69) o-Xylene	10.69	106	56226	20.033	ug/l	100
70) Styrene	10.71	104	96268	19.735	ug/l	98
71) Bromoform	10.85	173	24504	19.664	ug/l #	97
73) Isopropylbenzene	11.02	105	148679	19.866	ug/l	99
74) N-amyl acetate	10.90	43	89320	20.470	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	56867	20.382	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	49445m	20.711	ug/l	
77) Bromobenzene	11.26	156	37183	20.017	ug/l	99
78) n-propylbenzene	11.36	91	167248	19.567	ug/l	100
79) 2-Chlorotoluene	11.42	91	102683	19.472	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	127243	20.192	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17145	18.375	ug/l	93
82) 4-Chlorotoluene	11.51	91	117048	19.648	ug/l	99
83) tert-Butylbenzene	11.77	119	118706	19.364	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	126145	19.943	ug/l	100
85) sec-Butylbenzene	11.94	105	142707	19.635	ug/l	100
86) p-Isopropyltoluene	12.06	119	127469	19.509	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	64720	19.544	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	65277	19.552	ug/l	98
89) n-Butylbenzene	12.38	91	109984	18.624	ug/l	100
90) Hexachloroethane	12.59	117	21015	18.879	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	66682	19.770	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13767	21.996	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	44509	19.297	ug/l	100
94) Hexachlorobutadiene	13.78	225	22934	19.471	ug/l	98
95) Naphthalene	13.83	128	155074	20.665	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	47174	20.177	ug/l	100

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

