

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051119\
 Data File : VX009517.D
 Acq On : 11 May 2019 12:01
 Operator : JC/SP
 Sample : VX0511WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 9:16:54 AM

Quant Time: May 12 02:15:00 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	168583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267893	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118145	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	113932	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.50	113	84563	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	8.71	98	336920	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	121269	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	28933	18.624	ug/l	99
3) Chloromethane	1.32	50	42730	20.147	ug/l	98
4) Vinyl Chloride	1.40	62	43196	20.886	ug/l	97
5) Bromomethane	1.64	94	26338	21.217	ug/l	98
6) Chloroethane	1.72	64	26486	19.946	ug/l	96
7) Trichlorofluoromethane	1.93	101	53238	21.177	ug/l	100
8) Diethyl Ether	2.18	74	24350	20.448	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32767	20.755	ug/l	99
10) Methyl Iodide	2.51	142	34941	21.892	ug/l	100
11) Tert butyl alcohol	3.04	59	55384	103.967	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33080	20.913	ug/l	96
13) Acrolein	2.29	56	42331	87.744	ug/l	100
14) Allyl chloride	2.73	41	78856	20.456	ug/l	99
15) Acrylonitrile	3.14	53	134699	103.415	ug/l	100
16) Acetone	2.44	43	130752	105.809	ug/l	98
17) Carbon Disulfide	2.57	76	92886	20.916	ug/l	99
18) Methyl Acetate	2.78	43	57284	19.492	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	127680	20.786	ug/l	99
20) Methylene Chloride	2.85	84	40714	20.348	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36020	20.997	ug/l	98
22) Diisopropyl ether	3.85	45	155169	20.931	ug/l	98
23) Vinyl Acetate	3.81	43	687453	108.293	ug/l	98
24) 1,1-Dichloroethane	3.70	63	75295	20.589	ug/l	100
25) 2-Butanone	4.67	43	204850	106.676	ug/l	99
26) 2,2-Dichloropropane	4.58	77	55786	20.494	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42642	20.825	ug/l	99
28) Bromochloromethane	5.01	49	29200	18.085	ug/l	99
29) Tetrahydrofuran	5.13	42	131194	106.169	ug/l	100
30) Chloroform	5.21	83	69996	21.162	ug/l	99
31) Cyclohexane	5.58	56	72772	21.388	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	58150	21.119	ug/l	98
36) 1,1-Dichloropropene	5.80	75	52048	20.906	ug/l	98
37) Ethyl Acetate	4.83	43	76684	22.107	ug/l	100
38) Carbon Tetrachloride	5.79	117	47768	21.118	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	64691	21.159	ug/l	96
40) Benzene	6.14	78	163245	21.187	ug/l	100
41) Methacrylonitrile	5.04	41	42472	20.569	ug/l	99
42) 1,2-Dichloroethane	6.19	62	59784	21.631	ug/l	100
43) Isopropyl Acetate	6.44	43	116997	21.087	ug/l	99
44) Trichloroethene	7.21	130	38586	20.716	ug/l	99
45) 1,2-Dichloropropane	7.51	63	46141	21.149	ug/l	99
46) Dibromomethane	7.66	93	26197	20.678	ug/l	97
47) Bromodichloromethane	7.90	83	52611	20.818	ug/l	99
48) Methyl methacrylate	7.77	41	60341	21.921	ug/l	97
49) 1,4-Dioxane	7.74	88	23574	422.291	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	389958	107.529	ug/l	99
52) Toluene	8.78	92	99298	21.202	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60200	21.099	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	67218	21.285	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	40306	21.094	ug/l	96
56) Ethyl methacrylate	9.18	69	72517	21.261	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70679	21.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	175820	97.170	ug/l	100
59) 2-Hexanone	9.49	43	301947	106.012	ug/l	99
60) Dibromochloromethane	9.58	129	39111	20.958	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40658	21.080	ug/l	99
64) Tetrachloroethene	9.34	164	36396	22.224	ug/l	96
65) Chlorobenzene	10.13	112	101684	21.290	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	36492	21.075	ug/l	99
67) Ethyl Benzene	10.25	91	189084	21.512	ug/l	99
68) m/p-Xylenes	10.36	106	140125	43.625	ug/l	98
69) o-Xylene	10.69	106	67925	21.433	ug/l	100
70) Styrene	10.71	104	119818	21.752	ug/l	100
71) Bromoform	10.85	173	29103	20.683	ug/l #	100
73) Isopropylbenzene	11.02	105	183177	21.321	ug/l	99
74) N-amyl acetate	10.90	43	104636	20.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66019	20.613	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	58044m	21.180	ug/l	
77) Bromobenzene	11.26	156	44682	20.954	ug/l	99
78) n-propylbenzene	11.36	91	207502	21.148	ug/l	99
79) 2-Chlorotoluene	11.42	91	123181	20.349	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	153676	21.244	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21392	19.972	ug/l	96
82) 4-Chlorotoluene	11.51	91	143814	21.030	ug/l	99
83) tert-Butylbenzene	11.77	119	148707	21.132	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	155039	21.352	ug/l	99
85) sec-Butylbenzene	11.94	105	174913	20.965	ug/l	99
86) p-Isopropyltoluene	12.06	119	159625	21.282	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	78694	20.701	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79346	20.703	ug/l	99
89) n-Butylbenzene	12.38	91	141482	20.870	ug/l	100
90) Hexachloroethane	12.59	117	25838	20.220	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	79859	20.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15276	21.262	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55721	21.045	ug/l	99
94) Hexachlorobutadiene	13.78	225	28266	20.905	ug/l	98
95) Naphthalene	13.83	128	183091	21.254	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57989	21.606	ug/l	100

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

