

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072219\
 Data File : VX011044.D
 Acq On : 22 Jul 2019 20:30
 Operator : JC/SP
 Sample : K3921-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:12:22 AM

Quant Time: Jul 23 07:11:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	223905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	126040	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	5.50	113	112608	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	8.71	98	418439	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.13	95	159563	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	117185	49.092	ug/l	99
3) Chloromethane	1.32	50	98169	47.678	ug/l	98
4) Vinyl Chloride	1.41	62	105441	50.205	ug/l	99
5) Bromomethane	1.64	94	53758	45.423	ug/l	99
6) Chloroethane	1.71	64	63701	47.728	ug/l	99
7) Trichlorofluoromethane	1.92	101	179937	50.614	ug/l	100
8) Diethyl Ether	2.19	74	60251	49.189	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101217	49.864	ug/l	100
10) Methyl Iodide	2.51	142	134710	50.571	ug/l	99
11) Tert butyl alcohol	3.06	59	129727	233.849	ug/l	98
12) 1,1-Dichloroethene	2.37	96	99633	49.957	ug/l	97
13) Acrolein	2.29	56	74788	233.338	ug/l	97
14) Allyl chloride	2.73	41	144684	49.944	ug/l	99
15) Acrylonitrile	3.14	53	291962	260.454	ug/l	99
16) Acetone	2.45	43	248022	230.540	ug/l	97
17) Carbon Disulfide	2.57	76	235794	46.091	ug/l	100
18) Methyl Acetate	2.78	43	113670	46.402	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	335455	52.249	ug/l	98
20) Methylene Chloride	2.85	84	110676	48.544	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	103797	49.050	ug/l	96
22) Diisopropyl ether	3.85	45	308487	50.491	ug/l	96
23) Vinyl Acetate	3.81	43	1205642	232.894	ug/l	99
24) 1,1-Dichloroethane	3.70	63	178771	50.383	ug/l	100
25) 2-Butanone	4.68	43	399245	258.521	ug/l	100
26) 2,2-Dichloropropane	4.58	77	125073	42.930	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	121698	49.692	ug/l	98
28) Bromochloromethane	5.02	49	80932	48.402	ug/l	99
29) Tetrahydrofuran	5.13	42	259194	264.958	ug/l	99
30) Chloroform	5.21	83	195369	50.940	ug/l	99
31) Cyclohexane	5.58	56	155455	48.066	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	173261	52.216	ug/l	99
36) 1,1-Dichloropropene	5.80	75	139082	49.844	ug/l	99
37) Ethyl Acetate	4.84	43	134656	47.128	ug/l	99
38) Carbon Tetrachloride	5.79	117	151652	52.156	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170943	47.241	ug/l	100
40) Benzene	6.14	78	417570	48.853	ug/l	99
41) Methacrylonitrile	5.04	41	80216	49.455	ug/l	99
42) 1,2-Dichloroethane	6.19	62	152555	51.332	ug/l	99
43) Isopropyl Acetate	6.45	43	231679	49.313	ug/l	99
44) Trichloroethene	7.21	130	123576	48.843	ug/l	95
45) 1,2-Dichloropropane	7.51	63	107681	49.497	ug/l	100
46) Dibromomethane	7.66	93	80663	51.889	ug/l	98
47) Bromodichloromethane	7.90	83	147352	53.250	ug/l	99
48) Methyl methacrylate	7.77	41	120610	52.698	ug/l	98
49) 1,4-Dioxane	7.74	88	57181	893.163	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	812367	266.740	ug/l	99
52) Toluene	8.78	92	276979	49.328	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	156651	52.648	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	167690	50.648	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	119324	51.611	ug/l	97
56) Ethyl methacrylate	9.18	69	182552	53.980	ug/l	99
57) 1,3-Dichloropropane	9.37	76	184930	50.422	ug/l	99
59) 2-Hexanone	9.49	43	633921	268.364	ug/l	100
60) Dibromochloromethane	9.58	129	129975	48.906	ug/l	100
61) 1,2-Dibromoethane	9.67	107	127207	51.845	ug/l	99
64) Tetrachloroethene	9.34	164	115958	47.005	ug/l	98
65) Chlorobenzene	10.13	112	315459	48.979	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	118421	52.315	ug/l	98
67) Ethyl Benzene	10.25	91	549024	50.080	ug/l	99
68) m/p-Xylenes	10.35	106	417286	99.229	ug/l	98
69) o-Xylene	10.69	106	206527	50.321	ug/l	100
70) Stvrene	10.71	104	353702	51.698	ug/l	99
71) Bromoform	10.85	173	99010	48.138	ug/l #	100
73) Isopropylbenzene	11.02	105	557391	50.244	ug/l	100
74) N-amyl acetate	10.90	43	200259	47.244	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	186971	51.500	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	157917m	53.301	ug/l	
77) Bromobenzene	11.26	156	149102	48.726	ug/l	96
78) n-propylbenzene	11.36	91	622412	50.777	ug/l	100
79) 2-Chlorotoluene	11.42	91	374469	50.855	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	470784	50.786	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53998	46.480	ug/l	99
82) 4-Chlorotoluene	11.51	91	436290	50.908	ug/l	99
83) tert-Butylbenzene	11.77	119	465909	51.169	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	475249	50.866	ug/l	98
85) sec-Butylbenzene	11.94	105	543457	50.937	ug/l	100
86) p-Isopropyltoluene	12.06	119	507612	51.463	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	265510	49.998	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	266568	48.944	ug/l	98
89) n-Butylbenzene	12.38	91	431634	51.150	ug/l	99
90) Hexachloroethane	12.59	117	81174	52.177	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	261908	49.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41566	54.773	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	181365	50.848	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	85880	48.587	ug/l	97
95) Naphthalene	13.83	128	564060	53.554	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	181958	51.271	ug/l	99

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

