

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022819\
 Data File : VX007776.D
 Acq On : 28 Feb 2019 19:32
 Operator : JC/SP
 Sample : K1655-07MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A0C1-TWPM5

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 10:04:33 AM

Quant Time: Mar 01 03:13:29 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	279048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	417359	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	374775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175656	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	5.50	113	147286	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	8.71	98	532775	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.13	95	188930	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99550	38.727	ug/l	98
3) Chloromethane	1.33	50	134724	47.295	ug/l	99
4) Vinyl Chloride	1.41	62	137197	46.945	ug/l	99
5) Bromomethane	1.64	94	79945	43.218	ug/l	98
6) Chloroethane	1.72	64	90491	48.465	ug/l	100
7) Trichlorofluoromethane	1.93	101	184907	41.272	ug/l	99
8) Diethyl Ether	2.19	74	85663	46.589	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	101798	37.593	ug/l	98
10) Methyl Iodide	2.51	142	179162	53.135	ug/l	100
11) Tert butyl alcohol	3.07	59	151572	231.117	ug/l	99
12) 1,1-Dichloroethene	2.38	96	111232	45.570	ug/l	95
13) Acrolein	2.30	56	104255	178.895	ug/l	100
14) Allyl chloride	2.73	41	235946	52.278	ug/l	93
15) Acrylonitrile	3.15	53	399907	259.116	ug/l	99
16) Acetone	2.45	43	344492	224.116	ug/l	99
17) Carbon Disulfide	2.57	76	304473	44.836	ug/l	99
18) Methyl Acetate	2.78	43	166723	49.707	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	423380	49.809	ug/l	100
20) Methylene Chloride	2.86	84	132165	46.565	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	121902	45.939	ug/l	90
22) Diisopropyl ether	3.87	45	491756	52.341	ug/l	94
23) Vinyl Acetate	3.82	43	1881980	228.312	ug/l	97
24) 1,1-Dichloroethane	3.70	63	255597	50.057	ug/l	98
25) 2-Butanone	4.70	43	589801	251.898	ug/l	95
26) 2,2-Dichloropropane	4.59	77	160109	39.282	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	153952	45.596	ug/l	94
28) Bromochloromethane	5.02	49	123893	49.840	ug/l	86
29) Tetrahydrofuran	5.15	42	393768	255.129	ug/l	94
30) Chloroform	5.21	83	256275	46.855	ug/l	98
31) Cyclohexane	5.58	56	194443	40.483	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	210806	46.603	ug/l	98
36) 1,1-Dichloropropene	5.80	75	179598	47.865	ug/l	97
37) Ethyl Acetate	4.85	43	203165	48.743	ug/l	99
38) Carbon Tetrachloride	5.78	117	178518	47.363	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	182275	38.436	ug/l	92
40) Benzene	6.15	78	580165	50.088	ug/l	99
41) Methacrylonitrile	5.06	41	130236	58.515	ug/l	94
42) 1,2-Dichloroethane	6.20	62	205609	52.814	ug/l	100
43) Isopropyl Acetate	6.46	43	330738	51.558	ug/l	98
44) Trichloroethene	7.21	130	154454	48.474	ug/l	98
45) 1,2-Dichloropropane	7.52	63	156749	52.242	ug/l	99
46) Dibromomethane	7.66	93	100316	47.924	ug/l	99
47) Bromodichloromethane	7.90	83	190005	52.380	ug/l	98
48) Methyl methacrylate	7.77	41	188790	56.144	ug/l	92
49) 1,4-Dioxane	7.75	88	64248	884.638	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1159362	269.995	ug/l	100
52) Toluene	8.79	92	354048	48.473	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	206407	46.007	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	222579	50.563	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	153074	50.257	ug/l	98
56) Ethyl methacrylate	9.18	69	230777	53.281	ug/l	94
57) 1,3-Dichloropropane	9.37	76	252611	51.811	ug/l	100
59) 2-Hexanone	9.49	43	865549	256.749	ug/l	100
60) Dibromochloromethane	9.59	129	156757	53.487	ug/l	98
61) 1,2-Dibromoethane	9.67	107	160192	50.657	ug/l	99
64) Tetrachloroethene	9.34	164	149676	49.195	ug/l	98
65) Chlorobenzene	10.14	112	392042	48.367	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	148245	52.431	ug/l	99
67) Ethyl Benzene	10.25	91	647518	48.224	ug/l	99
68) m/p-Xylenes	10.36	106	493775	94.526	ug/l	96
69) o-Xylene	10.70	106	244171	48.596	ug/l	96
70) Stvrene	10.71	104	397619	48.144	ug/l	99
71) Bromoform	10.86	173	122282	57.674	ug/l #	99
73) Isopropylbenzene	11.02	105	630699	46.178	ug/l	100
74) N-amyl acetate	10.90	43	273595	46.129	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	221907	46.975	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	185066m	45.433	ug/l	
77) Bromobenzene	11.26	156	177421	51.791	ug/l	94
78) n-propylbenzene	11.36	91	698438	45.254	ug/l	98
79) 2-Chlorotoluene	11.42	91	427974	46.053	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	519029	46.200	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	63238	42.108	ug/l	97
82) 4-Chlorotoluene	11.51	91	491503	45.211	ug/l	98
83) tert-Butylbenzene	11.77	119	510884	47.362	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	534884	46.545	ug/l	99
85) sec-Butylbenzene	11.94	105	602404	44.567	ug/l	99
86) p-Isopropyltoluene	12.06	119	542717	45.847	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	302944	47.675	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	306599	47.112	ug/l	99
89) n-Butylbenzene	12.39	91	447677	42.406	ug/l	99
90) Hexachloroethane	12.60	117	89134	44.689	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	309210	48.634	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47405	46.057	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	211255	54.433	ug/l	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	100418	56.560	ug/l	99
95) Naphthalene	13.83	128	651616	51.823	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	214953	55.160	ug/l	99

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

