

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011288.D
 Acq On : 02 Aug 2019 03:07
 Operator : JC/SP
 Sample : K4118-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127I-20190730MSD

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:04:53 AM

Quant Time: Aug 02 04:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	143696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	214282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	199997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	63631	43.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.94%	
35) Dibromofluoromethane	5.49	113	60106	42.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.92%	
50) Toluene-d8	8.71	98	224449	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	
62) 4-Bromofluorobenzene	11.13	95	82776	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52340	47.161	ug/l	98
3) Chloromethane	1.32	50	61511	49.355	ug/l	99
4) Vinyl Chloride	1.40	62	67826	49.475	ug/l	100
5) Bromomethane	1.63	94	47481	48.563	ug/l	99
6) Chloroethane	1.71	64	46038	54.478	ug/l	97
7) Trichlorofluoromethane	1.92	101	120204	49.313	ug/l	99
8) Diethyl Ether	2.18	74	42262	48.555	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59533	45.138	ug/l	99
10) Methyl Iodide	2.50	142	87428	52.578	ug/l	100
11) Tert butyl alcohol	3.04	59	72492	251.218	ug/l	100
12) 1,1-Dichloroethene	2.37	96	63228	48.361	ug/l	93
13) Acrolein	2.29	56	42564	237.330	ug/l	100
14) Allyl chloride	2.72	41	87715	50.326	ug/l	99
15) Acrylonitrile	3.14	53	179248	260.306	ug/l	99
16) Acetone	2.43	43	149712	217.355	ug/l	99
17) Carbon Disulfide	2.56	76	155388	50.648	ug/l	100
18) Methyl Acetate	2.76	43	64968	41.274	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	197964	51.381	ug/l	99
20) Methylene Chloride	2.85	84	73431	48.679	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	68078	49.225	ug/l	96
22) Diisopropyl ether	3.85	45	191962	50.112	ug/l	97
23) Vinyl Acetate	3.81	43	675033	212.461	ug/l	99
24) 1,1-Dichloroethane	3.69	63	113428	50.216	ug/l	99
25) 2-Butanone	4.67	43	242382	247.378	ug/l	99
26) 2,2-Dichloropropane	4.57	77	59816	34.066	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	79513	49.915	ug/l	94
28) Bromochloromethane	5.01	49	52172	50.664	ug/l	99
29) Tetrahydrofuran	5.12	42	157090	261.483	ug/l	99
30) Chloroform	5.20	83	123248	50.203	ug/l	99
31) Cyclohexane	5.57	56	90046	48.319	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	106555	50.666	ug/l	100
36) 1,1-Dichloropropene	5.79	75	86610	46.294	ug/l	99
37) Ethyl Acetate	4.82	43	75278	40.113	ug/l	99
38) Carbon Tetrachloride	5.78	117	92995	49.407	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95218	42.937	ug/l	98
40) Benzene	6.13	78	274123	49.101	ug/l	98
41) Methacrylonitrile	5.04	41	49081	47.889	ug/l	97
42) 1,2-Dichloroethane	6.19	62	92347	48.917	ug/l	100
43) Isopropyl Acetate	6.44	43	129672	43.220	ug/l	99
44) Trichloroethene	7.21	130	79625	47.119	ug/l	100
45) 1,2-Dichloropropane	7.51	63	69387	47.990	ug/l	100
46) Dibromomethane	7.66	93	50128	47.492	ug/l	99
47) Bromodichloromethane	7.90	83	89025	49.817	ug/l	98
48) Methyl methacrylate	7.77	41	70058	49.617	ug/l	98
49) 1,4-Dioxane	7.74	88	38504	940.621	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	497478	256.924	ug/l	100
52) Toluene	8.78	92	178593	48.383	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	90743	43.965	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	98966	47.409	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	76065	50.120	ug/l	97
56) Ethyl methacrylate	9.18	69	110704	51.186	ug/l	99
57) 1,3-Dichloropropane	9.37	76	117799	49.079	ug/l	98
59) 2-Hexanone	9.49	43	393050	262.073	ug/l	99
60) Dibromochloromethane	9.58	129	80663	51.913	ug/l	97
61) 1,2-Dibromoethane	9.67	107	80806	49.281	ug/l	99
64) Tetrachloroethene	9.34	164	76994	45.332	ug/l	97
65) Chlorobenzene	10.13	112	203900	47.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	74165	50.518	ug/l	99
67) Ethyl Benzene	10.25	91	347173	48.342	ug/l	99
68) m/p-Xylenes	10.36	106	273314	98.390	ug/l	99
69) o-Xylene	10.69	106	133430	48.887	ug/l	98
70) Styrene	10.71	104	227957	50.477	ug/l	99
71) Bromoform	10.85	173	60646	46.416	ug/l #	99
73) Isopropylbenzene	11.02	105	355758	47.550	ug/l	100
74) N-amyl acetate	10.90	43	111751	41.337	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	123029	49.343	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	98900m	49.643	ug/l	
77) Bromobenzene	11.26	156	99121	47.777	ug/l	99
78) n-propylbenzene	11.36	91	395976	47.592	ug/l	99
79) 2-Chlorotoluene	11.42	91	236694	47.729	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	300670	48.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29957	41.045	ug/l	99
82) 4-Chlorotoluene	11.51	91	272741	47.191	ug/l	98
83) tert-Butylbenzene	11.77	119	296380	48.249	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	301435	48.340	ug/l	99
85) sec-Butylbenzene	11.94	105	344447	46.672	ug/l	100
86) p-Isopropyltoluene	12.06	119	321130	47.298	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	172613	47.088	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	173848	45.992	ug/l	98
89) n-Butylbenzene	12.38	91	269100	46.005	ug/l	99
90) Hexachloroethane	12.60	117	49549	49.362	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	174828	47.466	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24573	50.869	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	111148	45.503	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	54029	43.596	ug/l	97
95) Naphthalene	13.83	128	356632	49.925	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	115844	46.649	ug/l	99

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

