

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111919\
 Data File : VX013464.D
 Acq On : 19 Nov 2019 15:11
 Operator : JC/SP
 Sample : K5929-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-RFW1147MS

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:18:00 AM

Quant Time: Nov 19 16:36:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	677696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1019180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	919189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	463558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	412274	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.48	113	348896	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	8.71	98	1305770	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	11.13	95	480177	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	350866	44.934	ug/l	98
3) Chloromethane	1.31	50	386207	45.609	ug/l	99
4) Vinyl Chloride	1.40	62	464440	48.177	ug/l	99
5) Bromomethane	1.62	94	297380	44.266	ug/l	99
6) Chloroethane	1.70	64	253746	45.950	ug/l	99
7) Trichlorofluoromethane	1.92	101	516931	45.387	ug/l	98
8) Diethyl Ether	2.17	74	237167	47.090	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	328412	51.735	ug/l	98
10) Methyl Iodide	2.50	142	378037	48.100	ug/l	97
11) Tert butyl alcohol	3.03	59	442771	209.237	ug/l	99
12) 1,1-Dichloroethene	2.36	96	309790	49.834	ug/l	98
13) Acrolein	2.28	56	278804	243.098	ug/l	96
14) Allyl chloride	2.72	41	574930	50.901	ug/l	97
15) Acrylonitrile	3.12	53	1011417	255.871	ug/l	99
16) Acetone	2.43	43	850587	212.402	ug/l	98
17) Carbon Disulfide	2.56	76	764172	45.928	ug/l	99
18) Methyl Acetate	2.76	43	581316	52.580	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1098527	52.983	ug/l	97
20) Methylene Chloride	2.84	84	360303	48.696	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	335429	49.557	ug/l	97
22) Diisopropyl ether	3.84	45	1172386	53.764	ug/l	98
23) Vinyl Acetate	3.80	43	4844957	259.651	ug/l	99
24) 1,1-Dichloroethane	3.68	63	626338	51.345	ug/l	99
25) 2-Butanone	4.65	43	1410174	240.037	ug/l	99
26) 2,2-Dichloropropane	4.56	77	529785	54.593	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	399036	52.628	ug/l	99
28) Bromochloromethane	4.99	49	190854	55.103	ug/l	99
29) Tetrahydrofuran	5.11	42	904001	249.703	ug/l	99
30) Chloroform	5.19	83	619567	51.436	ug/l	97
31) Cyclohexane	5.56	56	581620	52.987	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	526759	50.815	ug/l	100
36) 1,1-Dichloropropene	5.79	75	460937	52.719	ug/l	99
37) Ethyl Acetate	4.81	43	587471	54.376	ug/l	100
38) Carbon Tetrachloride	5.77	117	449580	52.583	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	605652	55.593	ug/l	99
40) Benzene	6.13	78	1443488	53.001	ug/l	99
41) Methacrylonitrile	5.02	41	312113	51.542	ug/l	98
42) 1,2-Dichloroethane	6.18	62	501653	51.065	ug/l	98
43) Isopropyl Acetate	6.43	43	885892	52.658	ug/l	99
44) Trichloroethene	7.20	130	380020	50.690	ug/l	95
45) 1,2-Dichloropropane	7.50	63	372204	53.637	ug/l	98
46) Dibromomethane	7.65	93	243787	51.453	ug/l	99
47) Bromodichloromethane	7.89	83	487377	54.550	ug/l	97
48) Methyl methacrylate	7.76	41	447889	53.334	ug/l	97
49) 1,4-Dioxane	7.73	88	165226	859.118	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2833113	256.678	ug/l	99
52) Toluene	8.78	92	891322	52.803	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	546985	55.987	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	601354	55.026	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	371186	53.052	ug/l	98
56) Ethyl methacrylate	9.17	69	603481	50.507	ug/l	98
57) 1,3-Dichloropropane	9.36	76	628454	52.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	95599	19.983	ug/l	99
59) 2-Hexanone	9.48	43	2151368	252.223	ug/l	98
60) Dibromochloromethane	9.57	129	396892	55.466	ug/l	100
61) 1,2-Dibromoethane	9.67	107	386064	51.963	ug/l	99
64) Tetrachloroethene	9.33	164	333212	50.639	ug/l	99
65) Chlorobenzene	10.14	112	976894	52.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	371240	54.331	ug/l	99
67) Ethyl Benzene	10.25	91	1718701	53.512	ug/l	98
68) m/p-Xylenes	10.36	106	1319444	108.626	ug/l	99
69) o-Xylene	10.69	106	635976	53.479	ug/l	100
70) Styrene	10.71	104	1100177	55.344	ug/l	98
71) Bromoform	10.85	173	310217	49.032	ug/l	98
73) Isopropylbenzene	11.01	105	1733582	56.405	ug/l	100
74) N-amyl acetate	10.89	43	794746	55.762	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	603074	53.786	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	473541m	50.294	ug/l	
77) Bromobenzene	11.25	156	445012	54.313	ug/l	98
78) n-propylbenzene	11.35	91	1966313	57.433	ug/l	99
79) 2-Chlorotoluene	11.42	91	1135621	55.054	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1450871	56.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	207037	56.599	ug/l	95
82) 4-Chlorotoluene	11.51	91	1309165	54.218	ug/l	99
83) tert-Butylbenzene	11.76	119	1470274	57.053	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1506595	58.666	ug/l	98
85) sec-Butylbenzene	11.94	105	1690821	57.088	ug/l	99
86) p-Isopropyltoluene	12.06	119	1577535	57.843	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	786650	53.862	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	780164	52.430	ug/l	99
89) n-Butylbenzene	12.39	91	1348691	56.674	ug/l	99
90) Hexachloroethane	12.59	117	285746	58.805	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	790212	54.128	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	130504	47.774	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	537389	52.771	ug/l	99
94) Hexachlorobutadiene	13.78	225	267396	53.671	ug/l	98
95) Naphthalene	13.83	128	1643324	51.433	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	535753	52.459	ug/l	98

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

