

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013487.D
 Acq On : 20 Nov 2019 19:05
 Operator : JC/SP
 Sample : K5958-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3MS

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:54:28 AM

Quant Time: Nov 21 08:45:29 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	5.65	168	583441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	890210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	804329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	417450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	324308	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	5.49	113	269370	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	8.71	98	1014669	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.14	95	383679	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	298966	44.473	ug/l	99
3) Chloromethane	1.31	50	313801	43.045	ug/l	98
4) Vinyl Chloride	1.40	62	387455	46.685	ug/l	100
5) Bromomethane	1.62	94	217229	37.559	ug/l	98
6) Chloroethane	1.70	64	216419	45.510	ug/l	97
7) Trichlorofluoromethane	1.91	101	448471	45.737	ug/l	100
8) Diethyl Ether	2.18	74	208746	48.142	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	272440	49.851	ug/l	99
10) Methyl Iodide	2.50	142	262343	38.772	ug/l	98
11) Tert butyl alcohol	3.05	59	597211	327.811	ug/l	99
12) 1,1-Dichloroethene	2.36	96	268878	50.240	ug/l	99
13) Acrolein	2.28	56	222101	224.942	ug/l	97
14) Allyl chloride	2.72	41	507086	52.148	ug/l	95
15) Acrylonitrile	3.13	53	986594	289.913	ug/l	99
16) Acetone	2.44	43	920785	267.077	ug/l	99
17) Carbon Disulfide	2.56	76	640341	44.703	ug/l	99
18) Methyl Acetate	2.76	43	556008	58.415	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	971052	54.401	ug/l	100
20) Methylene Chloride	2.84	84	314585	49.386	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	290321	49.822	ug/l	99
22) Diisopropyl ether	3.84	45	1009650	53.781	ug/l	99
23) Vinyl Acetate	3.80	43	4160340	258.981	ug/l	99
24) 1,1-Dichloroethane	3.69	63	541947	51.604	ug/l	99
25) 2-Butanone	4.66	43	1463610	289.380	ug/l	99
26) 2,2-Dichloropropane	4.57	77	424189	50.773	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	349347	53.518	ug/l	98
28) Bromochloromethane	5.01	49	148239	49.714	ug/l	98
29) Tetrahydrofuran	5.12	42	915574	293.756	ug/l	99
30) Chloroform	5.20	83	565218	54.505	ug/l	95
31) Cyclohexane	5.57	56	473858	50.144	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	456417	51.143	ug/l	100
36) 1,1-Dichloropropene	5.79	75	391927	51.320	ug/l	99
37) Ethyl Acetate	4.82	43	514290	54.499	ug/l	99
38) Carbon Tetrachloride	5.77	117	383069	51.295	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	558798	58.723	ug/l	98
40) Benzene	6.13	78	1249519	52.526	ug/l	100
41) Methacrylonitrile	5.03	41	289831	54.796	ug/l	98
42) 1,2-Dichloroethane	6.18	62	440337	51.317	ug/l	99
43) Isopropyl Acetate	6.43	43	816446	55.561	ug/l	99
44) Trichloroethene	7.20	130	336429	51.377	ug/l	98
45) 1,2-Dichloropropane	7.51	63	322212	53.159	ug/l	99
46) Dibromomethane	7.65	93	213837	51.670	ug/l	97
47) Bromodichloromethane	7.89	83	425185	54.484	ug/l	98
48) Methyl methacrylate	7.76	41	410399	55.949	ug/l	97
49) 1,4-Dioxane	7.73	88	210170	1251.133	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2842709	294.860	ug/l	99
52) Toluene	8.78	92	779844	52.892	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	476570	55.847	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	520335	54.510	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	325893	53.327	ug/l	97
56) Ethyl methacrylate	9.17	69	562136	53.758	ug/l	98
57) 1,3-Dichloropropane	9.37	76	552507	53.258	ug/l	100
59) 2-Hexanone	9.49	43	2235576	300.067	ug/l	97
60) Dibromochloromethane	9.58	129	348851	55.815	ug/l	99
61) 1,2-Dibromoethane	9.67	107	345427	53.229	ug/l	99
64) Tetrachloroethene	9.33	164	287521	49.935	ug/l	99
65) Chlorobenzene	10.14	112	855820	52.556	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	321657	53.797	ug/l	99
67) Ethyl Benzene	10.25	91	6884457	244.960	ug/l	97
68) m/p-Xylenes	10.35	106	3007962	282.999	ug/l	97
69) o-Xylene	10.70	106	1914065	183.939	ug/l	98
70) Stvrene	10.71	104	1035889	59.551	ug/l #	81
71) Bromoform	10.85	173	279372	50.369	ug/l	99
73) Isopropylbenzene	11.01	105	7689792	277.835	ug/l	97
74) N-amyl acetate	10.89	43	808173	62.968	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	11.26	83	591358	58.567	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	491935m	58.018	ug/l	
77) Bromobenzene	11.25	156	401807	54.457	ug/l	98
78) n-propylbenzene	11.35	91	12323294	399.702	ug/l	88
79) 2-Chlorotoluene	11.42	91	1309841	70.514	ug/l	85
80) 1,3,5-Trimethylbenzene	11.50	105	5358597	232.437	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	178696	54.247	ug/l	100
82) 4-Chlorotoluene	11.51	91	1569467	72.177	ug/l	86
83) tert-Butylbenzene	11.77	119	1857074	80.022	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	18666357m	807.143	ug/l	
85) sec-Butylbenzene	11.95	105	4192985	157.207	ug/l	82
86) p-Isopropyltoluene	12.06	119	2538686	103.367	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	689600	52.432	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	698401	52.119	ug/l	99
89) n-Butylbenzene	12.38	91	3000833	140.027	ug/l #	80
90) Hexachloroethane	12.59	117	595139	136.004	ug/l #	42
91) 1,2-Dichlorobenzene	12.38	146	695037	52.867	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	158384	64.384	ug/l	84
93) 1,2,4-Trichlorobenzene	13.64	180	503239	54.875	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	210112	46.831	ug/l	98
95) Naphthalene	13.83	128	3596316	124.991	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	497652	54.111	ug/l	98

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

