

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011640.D
 Acq On : 19 Aug 2019 18:27
 Operator : JC/SP
 Sample : K4351-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MSD

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:41:52 PM

Quant Time: Aug 20 11:41:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	316685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	444615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	407756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	148613	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
35) Dibromofluoromethane	5.49	113	143360	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	8.71	98	437851	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.13	95	198632	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	160326	51.505	ug/l	99
3) Chloromethane	1.32	50	169109	52.306	ug/l	99
4) Vinyl Chloride	1.40	62	154883	53.032	ug/l	97
5) Bromomethane	1.63	94	78167	59.732	ug/l	100
6) Chloroethane	1.71	64	82933	59.998	ug/l	98
7) Trichlorofluoromethane	1.92	101	218244	53.950	ug/l	98
8) Diethyl Ether	2.18	74	81783	58.936	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128360	45.940	ug/l	97
10) Methyl Iodide	2.50	142	205312	51.581	ug/l	100
11) Tert butyl alcohol	3.04	59	209176	290.325	ug/l	98
12) 1,1-Dichloroethene	2.36	96	144584	53.545	ug/l	99
13) Acrolein	2.29	56	67350	301.177	ug/l #	15
14) Allyl chloride	2.72	41	254284	56.610	ug/l	99
15) Acrylonitrile	3.14	53	484287	293.687	ug/l	98
16) Acetone	2.43	43	398504	269.862	ug/l	100
17) Carbon Disulfide	2.56	76	335693	52.759	ug/l	99
18) Methyl Acetate	2.76	43	260748	56.935	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	514078	58.456	ug/l #	45
20) Methylene Chloride	2.85	84	165029	53.226	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	156971	54.857	ug/l	98
22) Diisopropyl ether	3.85	45	507472	56.730	ug/l	97
23) Vinyl Acetate	3.81	43	1974095	278.683	ug/l	100
24) 1,1-Dichloroethane	3.69	63	282101	55.777	ug/l	99
25) 2-Butanone	4.67	43	659290	284.387	ug/l	98
26) 2,2-Dichloropropane	4.57	77	179758	47.223	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	184625	55.347	ug/l	99
28) Bromochloromethane	5.01	49	112249	50.557	ug/l	99
29) Tetrahydrofuran	5.12	42	435587	286.433	ug/l	99
30) Chloroform	5.20	83	295305	55.326	ug/l	97
31) Cyclohexane	5.57	56	4805384	1103.527	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	256883	55.971	ug/l	100
36) 1,1-Dichloropropene	5.79	75	206638	54.358	ug/l	99
37) Ethyl Acetate	4.82	43	237976	54.428	ug/l	99
38) Carbon Tetrachloride	5.78	117	220560	52.663	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	4397153	936.668	ug/l	99
40) Benzene	6.13	78	650637	55.077	ug/l	99
41) Methacrylonitrile	5.04	41	138530	57.567	ug/l	99
42) 1,2-Dichloroethane	6.19	62	231867	56.652	ug/l	100
43) Isopropyl Acetate	6.44	43	418690	61.360	ug/l	97
44) Trichloroethene	7.21	130	192341	54.886	ug/l	99
45) 1,2-Dichloropropane	7.51	63	159130	54.014	ug/l	96
46) Dibromomethane	7.66	93	117210	54.748	ug/l	95
47) Bromodichloromethane	7.90	83	216306	55.026	ug/l	99
48) Methyl methacrylate	7.76	41	165614	49.011	ug/l #	35
49) 1,4-Dioxane	7.73	88	92158	1025.383	ug/l #	90
51) 4-Methyl-2-Pentanone	8.64	43	1238739	277.353	ug/l	98
52) Toluene	8.79	92	6670749	886.358	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	229443	56.240	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	242143	54.235	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	171464	53.575	ug/l	99
56) Ethyl methacrylate	9.18	69	299840	64.459	ug/l #	90
57) 1,3-Dichloropropane	9.37	76	283222	55.671	ug/l	100
59) 2-Hexanone	9.49	43	995911	289.156	ug/l	99
60) Dibromochloromethane	9.58	129	199090	59.705	ug/l	99
61) 1,2-Dibromoethane	9.67	107	195617	57.270	ug/l	99
64) Tetrachloroethene	9.34	164	167064	49.936	ug/l	99
65) Chlorobenzene	10.14	112	484427	55.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	184085	56.630	ug/l	99
67) Ethyl Benzene	10.25	91	20203169m	1391.923	ug/l	
68) m/p-Xylenes	10.37	106	26269226m	4714.966	ug/l	
69) o-Xylene	10.70	106	6851056	1255.364	ug/l	83
70) Stvrene	10.71	104	837976	91.211	ug/l #	1
71) Bromoform	10.85	173	144327	45.973	ug/l #	99
73) Isopropylbenzene	11.02	105	3926987	288.478	ug/l	100
74) N-amyl acetate	10.90	43	328434	56.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	265674	56.734	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	295495	74.281	ug/l	85
77) Bromobenzene	11.26	156	236223	58.326	ug/l	97
78) n-propylbenzene	11.36	91	3900171	265.703	ug/l	99
79) 2-Chlorotoluene	11.43	91	1813724m	201.224	ug/l	
80) 1,3,5-Trimethylbenzene	11.51	105	4048921	354.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	77102	52.280	ug/l	97
82) 4-Chlorotoluene	11.51	91	965629	92.343	ug/l	76
83) tert-Butylbenzene	11.77	119	654026	56.156	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	8889291	774.322	ug/l	95
85) sec-Butylbenzene	11.94	105	896987	68.264	ug/l	98
86) p-Isopropyltoluene	12.06	119	849233	68.698	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	391081	56.178	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	394329	55.888	ug/l	96
89) n-Butylbenzene	12.38	91	729952	71.824	ug/l	88
90) Hexachloroethane	12.59	117	141140	72.301	ug/l	71
91) 1,2-Dichlorobenzene	12.39	146	388837	55.643	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	65414	61.058	ug/l	89
93) 1,2,4-Trichlorobenzene	13.64	180	311361	59.799	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	141388	49.868	ug/l	99
95) Naphthalene	13.83	128	3119734	211.940	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	313867	59.765	ug/l	98

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

