

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011639.D
 Acq On : 19 Aug 2019 18:03
 Operator : JC/SP
 Sample : K4351-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142MS

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 3:41:48 PM

Quant Time: Aug 20 11:40:06 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	304021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	476980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	410944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	159833	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	5.49	113	145013	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	8.71	98	486996	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	197333	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	164421	55.021	ug/l	99
3) Chloromethane	1.32	50	170967	55.083	ug/l	99
4) Vinyl Chloride	1.40	62	155889	55.600	ug/l	99
5) Bromomethane	1.63	94	74688	59.451	ug/l	96
6) Chloroethane	1.71	64	80859	60.934	ug/l	99
7) Trichlorofluoromethane	1.92	101	224449	57.795	ug/l	99
8) Diethyl Ether	2.18	74	78854	59.192	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	132714	49.476	ug/l	99
10) Methyl Iodide	2.50	142	202633	53.029	ug/l	100
11) Tert butyl alcohol	3.04	59	206640	298.752	ug/l	99
12) 1,1-Dichloroethene	2.37	96	150157	57.925	ug/l	94
13) Acrolein	2.29	56	70519	327.380	ug/l	87
14) Allyl chloride	2.72	41	258089	59.851	ug/l	99
15) Acrylonitrile	3.13	53	492171	310.901	ug/l	98
16) Acetone	2.43	43	408692	288.290	ug/l	100
17) Carbon Disulfide	2.56	76	341927	55.977	ug/l	100
18) Methyl Acetate	2.76	43	260576	59.267	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	520304	61.628	ug/l #	47
20) Methylene Chloride	2.85	84	168219	56.515	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	160136	58.294	ug/l	96
22) Diisopropyl ether	3.85	45	518033	60.322	ug/l	97
23) Vinyl Acetate	3.81	43	1937316	284.884	ug/l	100
24) 1,1-Dichloroethane	3.69	63	286269	58.959	ug/l	99
25) 2-Butanone	4.66	43	669336	300.747	ug/l	96
26) 2,2-Dichloropropane	4.57	77	185154	50.667	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	192905	60.238	ug/l	97
28) Bromochloromethane	5.01	49	116309	54.568	ug/l	99
29) Tetrahydrofuran	5.12	42	439393	300.971	ug/l	99
30) Chloroform	5.20	83	303346	59.199	ug/l	98
31) Cyclohexane	5.57	56	4509394	1078.690	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	267120	60.626	ug/l	99
36) 1,1-Dichloropropene	5.79	75	211032	51.747	ug/l	98
37) Ethyl Acetate	4.82	43	237575	50.649	ug/l	99
38) Carbon Tetrachloride	5.77	117	227866	50.716	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	4002692	794.786	ug/l	99
40) Benzene	6.13	78	645156	50.907	ug/l	100
41) Methacrylonitrile	5.03	41	141861	54.951	ug/l	98
42) 1,2-Dichloroethane	6.19	62	243792	55.524	ug/l	99
43) Isopropyl Acetate	6.44	43	387256	52.902	ug/l	96
44) Trichloroethene	7.21	130	196927	52.381	ug/l	98
45) 1,2-Dichloropropane	7.51	63	167056	52.856	ug/l	96
46) Dibromomethane	7.66	93	118347	51.528	ug/l	99
47) Bromodichloromethane	7.90	83	224259	53.178	ug/l	99
48) Methyl methacrylate	7.76	41	203622	56.170	ug/l #	42
49) 1,4-Dioxane	7.74	88	96191	997.635	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	1332322	278.065	ug/l	100
52) Toluene	8.79	92	6881886	852.366	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	239511	54.724	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	262651	54.836	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	164910	48.031	ug/l	99
56) Ethyl methacrylate	9.18	69	282309	56.572	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	284335	52.098	ug/l	100
59) 2-Hexanone	9.49	43	1000785	270.854	ug/l	100
60) Dibromochloromethane	9.58	129	198264	55.423	ug/l	98
61) 1,2-Dibromoethane	9.67	107	193835	52.898	ug/l	100
64) Tetrachloroethene	9.34	164	170380	50.532	ug/l	99
65) Chlorobenzene	10.14	112	447293	51.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	172877	52.770	ug/l	100
67) Ethyl Benzene	10.25	91	19714899m	1347.746	ug/l	
68) m/p-Xylenes	10.37	106	25394629m	4522.628	ug/l	
69) o-Xylene	10.71	106	6380083	1159.995	ug/l	88
70) Styrene	10.71	104	800926	86.502	ug/l #	1
71) Bromoform	10.86	173	140704	44.579	ug/l #	99
73) Isopropylbenzene	11.02	105	3705712	233.326	ug/l	99
74) N-amyl acetate	10.90	43	309120	45.800	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	274881	50.312	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	309515	66.688	ug/l	85
77) Bromobenzene	11.26	156	234197	49.563	ug/l	95
78) n-propylbenzene	11.36	91	3895003	227.436	ug/l	99
79) 2-Chlorotoluene	11.43	91	1780487m	169.311	ug/l	
80) 1,3,5-Trimethylbenzene	11.51	105	4022219	301.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	74740	44.196	ug/l	95
82) 4-Chlorotoluene	11.51	91	976873	80.070	ug/l	78
83) tert-Butylbenzene	11.77	119	701207	51.605	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	8839890	659.994	ug/l	94
85) sec-Butylbenzene	11.94	105	945991	61.706	ug/l	97
86) p-Isopropyltoluene	12.06	119	877749	60.859	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	407723	50.200	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	422809	51.362	ug/l	97
89) n-Butylbenzene	12.38	91	733666	61.875	ug/l	88
90) Hexachloroethane	12.60	117	139529	61.263	ug/l	73
91) 1,2-Dichlorobenzene	12.39	146	414012	50.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65420	52.338	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	301976	49.709	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	130766	39.532	ug/l	99
95) Naphthalene	13.83	128	2957591	172.215	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	308847	50.406	ug/l	97

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

