

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013002.D
 Acq On : 10 Oct 2019 17:40
 Operator : JC/SP
 Sample : K5111-07 0.75PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 2:47:52 PM

Quant Time: Oct 11 09:46:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	159118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100887	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	5.49	113	75527	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	8.71	98	292183	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	11.14	95	104797	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	910	0.561	ug/l	82
3) Chloromethane	1.32	50	1285	0.728	ug/l #	77
4) Vinyl Chloride	1.40	62	1284	0.705	ug/l #	86
5) Bromomethane	1.64	94	951	1.256	ug/l	99
6) Chloroethane	1.72	64	2261	2.108	ug/l #	87
7) Trichlorofluoromethane	1.92	101	1789	0.728	ug/l #	81
8) Diethyl Ether	2.19	74	818	0.824	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1119	0.703	ug/l	92
10) Methyl Iodide	2.50	142	751	0.480	ug/l #	82
11) Tert butyl alcohol	3.01	59	4951	9.391	ug/l #	82
12) 1,1-Dichloroethene	2.36	96	1017	0.632	ug/l	90
13) Acrolein	2.28	56	1320	3.523	ug/l	98
14) Allyl chloride	2.72	41	1822	0.636	ug/l	98
15) Acrylonitrile	3.13	53	3320	3.323	ug/l	97
16) Acetone	2.43	43	3897	3.718	ug/l #	87
17) Carbon Disulfide	2.56	76	2712	0.591	ug/l #	95
18) Methyl Acetate	2.76	43	1835	0.739	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	3804	0.685	ug/l #	90
20) Methylene Chloride	2.85	84	1712	0.889	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	1334	0.774	ug/l #	78
22) Diisopropyl ether	3.85	45	3796	0.692	ug/l #	82
23) Vinyl Acetate	3.81	43	13690	2.890	ug/l	100
24) 1,1-Dichloroethane	3.69	63	2159	0.699	ug/l #	92
25) 2-Butanone	4.68	43	4530	3.115	ug/l	96
26) 2,2-Dichloropropane	4.57	77	1488	0.573	ug/l	86
27) cis-1,2-Dichloroethene	4.59	96	1559	0.785	ug/l	99
28) Bromochloromethane	5.00	49	730	0.826	ug/l #	85
29) Tetrahydrofuran	5.12	42	3408	3.808	ug/l #	82
30) Chloroform	5.19	83	2564m	0.809	ug/l	
31) Cyclohexane	5.57	56	2156	0.747	ug/l #	75
32) 1,1,1-Trichloroethane	5.48	97	1958	0.730	ug/l #	49
36) 1,1-Dichloropropene	5.79	75	1746	0.725	ug/l	98
37) Ethyl Acetate	4.83	43	1819	0.675	ug/l #	79
38) Carbon Tetrachloride	5.78	117	1673	0.713	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.47	83	1957	0.670	ug/l #	86
40) Benzene	6.14	78	4847	0.681	ug/l	100
41) Methacrylonitrile	5.04	41	1078	0.728	ug/l #	65
42) 1,2-Dichloroethane	6.19	62	2025	0.793	ug/l	100
43) Isopropyl Acetate	6.44	43	2843	0.657	ug/l #	92
44) Trichloroethene	7.21	130	1369	0.694	ug/l	85
45) 1,2-Dichloropropane	7.51	63	1194	0.658	ug/l	100
46) Dibromomethane	7.67	93	705	0.583	ug/l #	84
47) Bromodichloromethane	7.89	83	1470	0.623	ug/l	97
48) Methyl methacrylate	7.77	41	1142	0.542	ug/l	96
49) 1,4-Dioxane	7.74	88	628	12.324	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	8383	3.109	ug/l	97
52) Toluene	8.78	92	3011	0.661	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1242	0.476	ug/l	91
54) cis-1,3-Dichloropropene	8.43	75	1682	0.580	ug/l #	84
55) 1,1,2-Trichloroethane	9.21	97	1225	0.680	ug/l #	87
56) Ethyl methacrylate	9.18	69	1663	0.570	ug/l	91
57) 1,3-Dichloropropane	9.37	76	2127	0.682	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.31	63	3874	2.926	ug/l	96
59) 2-Hexanone	9.49	43	6017	2.866	ug/l	100
60) Dibromochloromethane	9.58	129	925	0.524	ug/l	95
61) 1,2-Dibromoethane	9.67	107	1084	0.572	ug/l	98
64) Tetrachloroethene	9.33	164	1280	0.757	ug/l #	82
65) Chlorobenzene	10.13	112	3214	0.664	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	1071	0.638	ug/l #	60
67) Ethyl Benzene	10.25	91	5209	0.606	ug/l	96
68) m/p-Xylenes	10.36	106	3776	1.176	ug/l	86
69) o-Xylene	10.70	106	1850	0.591	ug/l	93
70) Styrene	10.71	104	2884	0.542	ug/l	98
71) Bromoform	10.85	173	550	0.455	ug/l #	73
73) Isopropylbenzene	11.01	105	4552	0.597	ug/l	94
74) N-amyl acetate	10.90	43	1812	0.551	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	1590	0.626	ug/l	92
76) 1,2,3-Trichloropropane	11.29	75	1574m	0.684	ug/l	
77) Bromobenzene	11.25	156	1172	0.652	ug/l	90
78) n-propylbenzene	11.35	91	5178	0.617	ug/l	98
79) 2-Chlorotoluene	11.42	91	3560	0.675	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	4266	0.670	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	286m	0.352	ug/l	
82) 4-Chlorotoluene	11.51	91	3890	0.643	ug/l	100
83) tert-Butylbenzene	11.77	119	3924	0.631	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	3610	0.559	ug/l	98
85) sec-Butylbenzene	11.94	105	4312	0.599	ug/l	99
86) p-Isopropyltoluene	12.06	119	3640	0.545	ug/l	84
87) 1,3-Dichlorobenzene	12.03	146	2191	0.656	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	2493m	0.737	ug/l	
89) n-Butylbenzene	12.39	91	2933	0.523	ug/l	99
90) Hexachloroethane	12.59	117	587	0.543	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	2169	0.663	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.99	75	299	0.503	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1150	0.561	ug/l	95
94) Hexachlorobutadiene	13.78	225	613	0.648	ug/l	94
95) Naphthalene	13.83	128	3398	0.478	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	1142	0.539	ug/l	90

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

