

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015876.D
 Acq On : 23 Apr 2020 05:51
 Operator : JC/SP
 Sample : L2380-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW079-200421MSD

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 12:16:49 PM

Quant Time: Apr 23 08:20:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	956726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1490195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1431038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	716889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	585268	53.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.58%	
35) Dibromofluoromethane	5.47	113	462701	53.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.58%	
50) Toluene-d8	8.70	98	1760112	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.12	95	707407	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	446814	54.560	ug/l	99
3) Chloromethane	1.31	50	426862	50.894	ug/l	98
4) Vinyl Chloride	1.39	62	478395	49.278	ug/l	100
5) Bromomethane	1.62	94	167358	51.400	ug/l	97
6) Chloroethane	1.71	64	285199	51.553	ug/l	100
7) Trichlorofluoromethane	1.92	101	627346	52.084	ug/l	97
8) Diethyl Ether	2.17	74	252863	51.768	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	402866	49.306	ug/l	99
10) Methyl Iodide	2.49	142	409755	40.591	ug/l	99
11) Tert butyl alcohol	3.01	59	596968	268.510	ug/l	100
12) 1,1-Dichloroethene	2.36	96	417252	49.793	ug/l	99
13) Acrolein	2.27	56	236535	179.806	ug/l #	70
14) Allyl chloride	2.71	41	872285	48.986	ug/l	99
15) Acrylonitrile	3.12	53	1404717	272.205	ug/l	98
16) Acetone	2.42	43	1185070	250.119	ug/l	97
17) Carbon Disulfide	2.55	76	1177152	38.683	ug/l	99
18) Methyl Acetate	2.75	43	745784	47.679	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	2108310	71.268	ug/l #	51
20) Methylene Chloride	2.84	84	480159	49.920	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	465729	50.092	ug/l	95
22) Diisopropyl ether	3.83	45	1678374	52.294	ug/l	94
23) Vinyl Acetate	3.79	43	6615042	249.031	ug/l	99
24) 1,1-Dichloroethane	3.67	63	874331	52.267	ug/l	99
25) 2-Butanone	4.64	43	1946062	259.860	ug/l	98
26) 2,2-Dichloropropane	4.56	77	526380	35.226	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	539565	51.118	ug/l	98
28) Bromochloromethane	4.98	49	398419	45.390	ug/l #	97
29) Tetrahydrofuran	5.09	42	1284450	259.307	ug/l	100
30) Chloroform	5.18	83	929700	55.238	ug/l	97
31) Cyclohexane	5.55	56	1811578	113.951	ug/l	96
32) 1,1,1-Trichloroethane	5.47	97	773971	51.576	ug/l	99
36) 1,1-Dichloropropene	5.78	75	652735	49.409	ug/l	98
37) Ethyl Acetate	4.79	43	780103	49.617	ug/l	99
38) Carbon Tetrachloride	5.76	117	661184	50.810	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	2179444	130.274	ug/l	98
40) Benzene	6.12	78	8724318	219.264	ug/l	98
41) Methacrylonitrile	5.01	41	455094	52.090	ug/l	98
42) 1,2-Dichloroethane	6.17	62	767468	53.564	ug/l	96
43) Isopropyl Acetate	6.42	43	1344961	50.712	ug/l	99
44) Trichloroethene	7.19	130	642979	45.983	ug/l	96
45) 1,2-Dichloropropane	7.50	63	539753	51.763	ug/l	100
46) Dibromomethane	7.64	93	355674	46.726	ug/l #	90
47) Bromodichloromethane	7.88	83	683705	50.490	ug/l	98
48) Methyl methacrylate	7.75	41	821597	62.978	ug/l #	89
49) 1,4-Dioxane	7.72	88	223232	905.414	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	3948163	257.907	ug/l	99
52) Toluene	8.77	92	1334231	52.315	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	800161	47.624	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	830656	46.777	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	498002	50.006	ug/l	99
56) Ethyl methacrylate	9.16	69	926706	54.937	ug/l	91
57) 1,3-Dichloropropane	9.36	76	869822	50.262	ug/l	100
59) 2-Hexanone	9.48	43	2927701	251.044	ug/l	98
60) Dibromochloromethane	9.57	129	554801	53.946	ug/l	97
61) 1,2-Dibromoethane	9.65	107	545052	49.521	ug/l	98
64) Tetrachloroethene	9.32	164	775435	40.201	ug/l	97
65) Chlorobenzene	10.12	112	1386090	48.437	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	525164	49.096	ug/l	97
67) Ethyl Benzene	10.23	91	18735889m	372.836	ug/l	
68) m/p-Xylenes	10.35	106	8068551	427.761	ug/l	79
69) o-Xylene	10.68	106	5535303	298.214	ug/l	92
70) Stvrene	10.70	104	1764676	54.907	ug/l #	56
71) Bromoform	10.84	173	387117	55.538	ug/l #	98
73) Isopropylbenzene	11.00	105	14838910	325.918	ug/l	77
74) N-amyl acetate	10.88	43	1142487	48.607	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	553620	57.456	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	647759m	47.517	ug/l	
77) Bromobenzene	11.24	156	621424	49.953	ug/l	97
78) n-propylbenzene	11.34	91	15933705	305.499	ug/l #	65
79) 2-Chlorotoluene	11.41	91	1827173	58.321	ug/l	93
80) 1,3,5-Trimethylbenzene	11.49	105	10498451	270.423	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.06	75	223859	39.502	ug/l	98
82) 4-Chlorotoluene	11.49	91	2770023	74.405	ug/l	81
83) tert-Butylbenzene	11.76	119	1844398	53.559	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	17125127m	424.890	ug/l	
85) sec-Butylbenzene	11.93	105	3329677	73.348	ug/l	86
86) p-Isopropyltoluene	12.05	119	2470621	58.203	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1106238	48.443	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	1115318	48.791	ug/l	97
89) n-Butylbenzene	12.37	91	3195768	84.206	ug/l #	69
90) Hexachloroethane	12.58	117	623251	138.987	ug/l #	50
91) 1,2-Dichlorobenzene	12.38	146	1044432	48.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	227820	79.728	ug/l	66
93) 1,2,4-Trichlorobenzene	13.63	180	849023	49.752	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	335381	43.832	ug/l	100
95) Naphthalene	13.82	128	12968530	264.140	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.01	180	811015	48.712	ug/l	98

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

