

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041320\
 Data File : VX015651.D
 Acq On : 13 Apr 2020 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:11:55 AM

Quant Time: Apr 14 01:48:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1125451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1728229	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1606858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	873750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	710966	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
35) Dibromofluoromethane	5.47	113	528265	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	8.70	98	1934409	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.12	95	788819	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	437166	44.089	ug/l	100
3) Chloromethane	1.31	50	536963	42.524	ug/l	99
4) Vinyl Chloride	1.39	62	547698	47.237	ug/l	98
5) Bromomethane	1.62	94	332835	64.643	ug/l	98
6) Chloroethane	1.71	64	351209	48.840	ug/l	97
7) Trichlorofluoromethane	1.92	101	740807	47.642	ug/l	98
8) Diethyl Ether	2.17	74	319569	48.726	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	473186	46.681	ug/l	97
10) Methyl Iodide	2.49	142	558433	40.861	ug/l	98
11) Tert butyl alcohol	3.01	59	695820	183.142	ug/l	99
12) 1,1-Dichloroethene	2.36	96	484644	45.612	ug/l	97
13) Acrolein	2.27	56	238677	110.280	ug/l	99
14) Allyl chloride	2.71	41	1072609	43.203	ug/l	98
15) Acrylonitrile	3.12	53	1660983	229.239	ug/l	100
16) Acetone	2.42	43	1466310	215.017	ug/l	99
17) Carbon Disulfide	2.55	76	1277966	39.427	ug/l	100
18) Methyl Acetate	2.75	43	810821	46.585	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	1891659	45.903	ug/l	99
20) Methylene Chloride	2.84	84	561556	44.086	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	525131	44.532	ug/l	98
22) Diisopropyl ether	3.83	45	2032106	46.191	ug/l	99
23) Vinyl Acetate	3.79	43	8955730	224.837	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1037500	44.791	ug/l	99
25) 2-Butanone	4.64	43	2379427	216.958	ug/l	100
26) 2,2-Dichloropropane	4.56	77	882972	46.441	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	619125	45.380	ug/l	99
28) Bromochloromethane	4.98	49	535896	48.457	ug/l	96
29) Tetrahydrofuran	5.09	42	1556528	220.767	ug/l	99
30) Chloroform	5.18	83	1021369	45.832	ug/l	98
31) Cyclohexane	5.56	56	893545	44.468	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	920205	45.627	ug/l	99
36) 1,1-Dichloropropene	5.78	75	749872	47.092	ug/l	98
37) Ethyl Acetate	4.79	43	951887	45.910	ug/l	99
38) Carbon Tetrachloride	5.76	117	813865	47.189	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	879552	47.906	ug/l	97
40) Benzene	6.12	78	2245797	48.147	ug/l	98
41) Methacrylonitrile	5.01	41	551901	47.951	ug/l	99
42) 1,2-Dichloroethane	6.17	62	898032	47.930	ug/l	99
43) Isopropyl Acetate	6.42	43	1616907	46.196	ug/l	99
44) Trichloroethene	7.19	130	617949	48.576	ug/l	99
45) 1,2-Dichloropropane	7.50	63	599669	46.995	ug/l	98
46) Dibromomethane	7.64	93	403525	48.209	ug/l	95
47) Bromodichloromethane	7.88	83	843715	47.305	ug/l	98
48) Methyl methacrylate	7.75	41	810987	46.388	ug/l	97
49) 1,4-Dioxane	7.71	88	252435	774.018	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	4726209	238.268	ug/l	99
52) Toluene	8.77	92	1413478	49.151	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	963999	46.085	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	1013497	47.563	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	594194	50.432	ug/l	98
56) Ethyl methacrylate	9.16	69	992399	47.793	ug/l	97
57) 1,3-Dichloropropane	9.35	76	1015178	47.823	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2356656	233.332	ug/l	99
59) 2-Hexanone	9.48	43	3575021	238.724	ug/l	99
60) Dibromochloromethane	9.57	129	671237	47.411	ug/l	95
61) 1,2-Dibromoethane	9.65	107	615881	48.073	ug/l	97
64) Tetrachloroethene	9.32	164	568183	46.854	ug/l	98
65) Chlorobenzene	10.12	112	1543084	48.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	616942	48.190	ug/l	98
67) Ethyl Benzene	10.24	91	2737789	48.170	ug/l	98
68) m/p-Xylenes	10.34	106	2054037	97.054	ug/l	98
69) o-Xylene	10.68	106	1015906	48.577	ug/l	98
70) Styrene	10.70	104	1769692	48.089	ug/l	99
71) Bromoform	10.84	173	550674	47.250	ug/l	# 99
73) Isopropylbenzene	11.01	105	2706191	47.270	ug/l	99
74) N-amyl acetate	10.89	43	1378520	43.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	906003	46.120	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	817879m	45.519	ug/l	
77) Bromobenzene	11.24	156	741419	48.552	ug/l	92
78) n-propylbenzene	11.35	91	3058056	46.714	ug/l	100
79) 2-Chlorotoluene	11.41	91	1815304	45.242	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	2275909	46.549	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	323266	43.169	ug/l	99
82) 4-Chlorotoluene	11.49	91	2169377	46.120	ug/l	99
83) tert-Butylbenzene	11.76	119	2286364	47.874	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	2340281	46.971	ug/l	99
85) sec-Butylbenzene	11.93	105	2596385	47.007	ug/l	99
86) p-Isopropyltoluene	12.05	119	2497138	48.699	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1307815	47.839	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	1318625	47.354	ug/l	99
89) n-Butylbenzene	12.37	91	2172561	46.886	ug/l	98
90) Hexachloroethane	12.58	117	433875	43.473	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	1305535	48.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	222778	40.180	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1020319	48.215	ug/l	99
94) Hexachlorobutadiene	13.77	225	436754	43.349	ug/l	92
95) Naphthalene	13.82	128	3100972	48.039	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1032574	50.680	ug/l	99

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

