

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040920\
 Data File : VX015609.D
 Acq On : 09 Apr 2020 20:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 4/10/2020 2:12:57 PM

Quant Time: Apr 10 09:17:29 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	5.64	168	1124552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1767810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1646475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	877696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	740852	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	5.47	113	529760	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	8.70	98	2007146	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.12	95	816710	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	480209	48.469	ug/l	99
3) Chloromethane	1.31	50	601511	47.674	ug/l	100
4) Vinyl Chloride	1.39	62	585005	50.495	ug/l	100
5) Bromomethane	1.62	94	326448	63.275	ug/l	97
6) Chloroethane	1.71	64	361829	50.357	ug/l	99
7) Trichlorofluoromethane	1.92	101	819050	52.716	ug/l	99
8) Diethyl Ether	2.17	74	326494	49.821	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	520439	51.383	ug/l	99
10) Methyl Iodide	2.50	142	743091	54.416	ug/l	99
11) Tert butyl alcohol	3.01	59	751315	197.906	ug/l	99
12) 1,1-Dichloroethene	2.36	96	525917	49.536	ug/l	100
13) Acrolein	2.27	56	272909	126.198	ug/l	98
14) Allyl chloride	2.71	41	1146338	46.209	ug/l	98
15) Acrylonitrile	3.12	53	1739481	240.265	ug/l	100
16) Acetone	2.42	43	1609372	236.184	ug/l	99
17) Carbon Disulfide	2.55	76	1448059	44.710	ug/l	99
18) Methyl Acetate	2.75	43	862281	49.581	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	1991878	48.374	ug/l	100
20) Methylene Chloride	2.84	84	603024	47.379	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	570445	48.413	ug/l	98
22) Diisopropyl ether	3.83	45	2138816	48.655	ug/l	96
23) Vinyl Acetate	3.79	43	9331753	234.464	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1110478	47.980	ug/l	100
25) 2-Butanone	4.64	43	2547722	232.489	ug/l	99
26) 2,2-Dichloropropane	4.55	77	852760	44.888	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	669615	49.121	ug/l	99
28) Bromochloromethane	4.98	49	546286	49.436	ug/l	98
29) Tetrahydrofuran	5.09	42	1652909	234.625	ug/l	100
30) Chloroform	5.18	83	1089838	48.943	ug/l	98
31) Cyclohexane	5.55	56	990463	49.331	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	1007322	49.986	ug/l	99
36) 1,1-Dichloropropene	5.78	75	818830	50.271	ug/l	100
37) Ethyl Acetate	4.80	43	1004317	47.354	ug/l	99
38) Carbon Tetrachloride	5.76	117	882354	50.014	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	947091	50.429	ug/l	99
40) Benzene	6.12	78	2376510	49.808	ug/l	98
41) Methacrylonitrile	5.01	41	571289	48.524	ug/l	98
42) 1,2-Dichloroethane	6.17	62	962351	50.213	ug/l	100
43) Isopropyl Acetate	6.42	43	1722310	48.106	ug/l	99
44) Trichloroethene	7.19	130	673962	51.793	ug/l	95
45) 1,2-Dichloropropane	7.49	63	639724	49.012	ug/l	98
46) Dibromomethane	7.64	93	423301	49.439	ug/l	97
47) Bromodichloromethane	7.88	83	899052	49.279	ug/l	96
48) Methyl methacrylate	7.75	41	864007	48.315	ug/l	99
49) 1,4-Dioxane	7.72	88	272730	817.523	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	4978404	245.363	ug/l	100
52) Toluene	8.77	92	1501502	51.043	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	1020237	47.681	ug/l	95
54) cis-1,3-Dichloropropene	8.42	75	1066915	48.949	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	615328	51.056	ug/l	97
56) Ethyl methacrylate	9.16	69	1052605	49.557	ug/l	98
57) 1,3-Dichloropropane	9.36	76	1067522	49.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2623540	253.940	ug/l	99
59) 2-Hexanone	9.48	43	3755133	245.137	ug/l	99
60) Dibromochloromethane	9.57	129	729966	50.405	ug/l	99
61) 1,2-Dibromoethane	9.65	107	660193	50.378	ug/l	99
64) Tetrachloroethene	9.32	164	601267	48.390	ug/l	92
65) Chlorobenzene	10.12	112	1653525	50.358	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	649559	49.516	ug/l	99
67) Ethyl Benzene	10.24	91	2967538	50.956	ug/l	99
68) m/p-Xylenes	10.34	106	2183161	100.673	ug/l	99
69) o-Xylene	10.68	106	1083758	50.575	ug/l	98
70) Styrene	10.70	104	1896480	50.294	ug/l	99
71) Bromoform	10.84	173	584652	48.958	ug/l #	99
73) Isopropylbenzene	11.00	105	2875513	50.001	ug/l	99
74) N-amyl acetate	10.88	43	1489343	46.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	940776	47.675	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	870367m	48.222	ug/l	
77) Bromobenzene	11.24	156	783520	51.078	ug/l	95
78) n-propylbenzene	11.35	91	3345562	50.876	ug/l	100
79) 2-Chlorotoluene	11.41	91	1978709	49.093	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	2431710	49.512	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	336267	44.703	ug/l	98
82) 4-Chlorotoluene	11.49	91	2317525	49.048	ug/l	99
83) tert-Butylbenzene	11.76	119	2413883	50.317	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	2466899	49.289	ug/l	98
85) sec-Butylbenzene	11.93	105	2775827	50.030	ug/l	100
86) p-Isopropyltoluene	12.05	119	2657735	51.598	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1357593	49.437	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	1381311	49.382	ug/l	99
89) n-Butylbenzene	12.37	91	2311758	49.665	ug/l	99
90) Hexachloroethane	12.58	117	464013	46.284	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	1356207	50.465	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	242519	43.543	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1051067	49.445	ug/l	96
94) Hexachlorobutadiene	13.77	225	466354	46.078	ug/l	96
95) Naphthalene	13.82	128	3284902	50.660	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	1010905	49.393	ug/l	97

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

