

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015499.D
 Acq On : 02 Apr 2020 21:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:36:20 PM

Quant Time: Apr 03 09:43:09 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	1032827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1628763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1540607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	817089	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	712932	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	5.47	113	521852	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	8.70	98	1918723	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.12	95	788057	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	460042	50.557	ug/l	99
3) Chloromethane	1.31	50	546993	47.203	ug/l	99
4) Vinyl Chloride	1.39	62	508883	47.826	ug/l	99
5) Bromomethane	1.62	94	224664	44.995	ug/l	99
6) Chloroethane	1.70	64	311881	47.261	ug/l	99
7) Trichlorofluoromethane	1.91	101	731321	51.250	ug/l	99
8) Diethyl Ether	2.17	74	286430	47.589	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	474043	50.959	ug/l	97
10) Methyl Iodide	2.49	142	575333	45.873	ug/l	100
11) Tert butyl alcohol	3.02	59	792690	227.349	ug/l	100
12) 1,1-Dichloroethene	2.36	96	475180	48.732	ug/l	96
13) Acrolein	2.27	56	524231	263.942	ug/l	100
14) Allyl chloride	2.70	41	1071446	47.026	ug/l	98
15) Acrylonitrile	3.12	53	1623549	244.168	ug/l	100
16) Acetone	2.42	43	1503182	240.191	ug/l	97
17) Carbon Disulfide	2.55	76	1384169	46.533	ug/l	99
18) Methyl Acetate	2.75	43	787932	49.329	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1832092	48.445	ug/l	100
20) Methylene Chloride	2.83	84	548972	46.963	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	516780	47.754	ug/l	97
22) Diisopropyl ether	3.83	45	1985721	49.184	ug/l	99
23) Vinyl Acetate	3.79	43	8958717	245.082	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1018981	47.936	ug/l	99
25) 2-Butanone	4.64	43	2420278	240.474	ug/l	98
26) 2,2-Dichloropropane	4.56	77	758588	43.477	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	605776	48.384	ug/l	99
28) Bromochloromethane	4.98	49	499388	49.205	ug/l	99
29) Tetrahydrofuran	5.09	42	1560164	241.128	ug/l	100
30) Chloroform	5.18	83	994592	48.633	ug/l	98
31) Cyclohexane	5.55	56	927046	50.273	ug/l	94
32) 1,1,1-Trichloroethane	5.47	97	911505	49.249	ug/l	99
36) 1,1-Dichloropropene	5.77	75	754922	50.304	ug/l	100
37) Ethyl Acetate	4.80	43	947706	48.500	ug/l	100
38) Carbon Tetrachloride	5.76	117	802737	49.386	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	880474	50.884	ug/l	98
40) Benzene	6.12	78	2165112	49.251	ug/l	99
41) Methacrylonitrile	5.01	41	543728	50.126	ug/l	99
42) 1,2-Dichloroethane	6.17	62	893676	50.610	ug/l	98
43) Isopropyl Acetate	6.42	43	1606157	48.692	ug/l	100
44) Trichloroethene	7.19	130	586689	48.935	ug/l	98
45) 1,2-Dichloropropane	7.49	63	580445	48.267	ug/l	98
46) Dibromomethane	7.64	93	385378	48.852	ug/l	99
47) Bromodichloromethane	7.88	83	829942	49.374	ug/l	97
48) Methyl methacrylate	7.75	41	816837	49.576	ug/l	100
49) 1,4-Dioxane	7.72	88	305211	992.990	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	4722657	252.629	ug/l	100
52) Toluene	8.77	92	1357206	50.077	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	919941	46.664	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	965314	48.069	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	554951	49.977	ug/l	97
56) Ethyl methacrylate	9.16	69	970828	49.609	ug/l	99
57) 1,3-Dichloropropane	9.36	76	970971	48.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	2380145	250.049	ug/l	100
59) 2-Hexanone	9.48	43	3623691	256.751	ug/l	100
60) Dibromochloromethane	9.57	129	655946	49.160	ug/l	98
61) 1,2-Dibromoethane	9.65	107	600807	49.761	ug/l	98
64) Tetrachloroethene	9.32	164	553897	47.641	ug/l	98
65) Chlorobenzene	10.12	112	1462905	47.614	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	594470	48.431	ug/l	99
67) Ethyl Benzene	10.24	91	2671899	49.033	ug/l	98
68) m/p-Xylenes	10.34	106	1982010	97.678	ug/l	100
69) o-Xylene	10.68	106	960192	47.887	ug/l	98
70) Styrene	10.70	104	1713533	48.565	ug/l	100
71) Bromoform	10.84	173	502231	44.946	ug/l #	97
73) Isopropylbenzene	11.01	105	2612301	48.794	ug/l	100
74) N-amyl acetate	10.89	43	1451324	48.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	871743	47.453	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	802445m	47.757	ug/l	
77) Bromobenzene	11.24	156	672967	47.125	ug/l	99
78) n-propylbenzene	11.35	91	2993727	48.903	ug/l	99
79) 2-Chlorotoluene	11.41	91	1819504	48.491	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	2214384	48.431	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	311536	44.488	ug/l	97
82) 4-Chlorotoluene	11.49	91	2111881	48.011	ug/l	99
83) tert-Butylbenzene	11.76	119	2180094	48.814	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2210369	47.440	ug/l	98
85) sec-Butylbenzene	11.93	105	2522703	48.840	ug/l	100
86) p-Isopropyltoluene	12.05	119	2382537	49.686	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1240401	48.520	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	1223381	46.980	ug/l	98
89) n-Butylbenzene	12.37	91	2132652	49.216	ug/l	100
90) Hexachloroethane	12.58	117	436792	46.800	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	1201878	48.039	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	234135	45.156	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	916340	46.304	ug/l	99
94) Hexachlorobutadiene	13.77	225	430137	45.652	ug/l	96
95) Naphthalene	13.82	128	2942903	48.752	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	902291	47.356	ug/l	95

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

