

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014834.D
 Acq On : 05 Feb 2020 19:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:11 PM

Quant Time: Feb 06 03:28:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	415861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	626925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	577612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	296669	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	228982	47.15	ug/l	0.00
Spiked Amount						
			Recovery	=	94.30%	
35) Dibromofluoromethane	5.49	113	187260	47.34	ug/l	0.00
Spiked Amount						
			Recovery	=	94.68%	
50) Toluene-d8	8.71	98	708534	46.59	ug/l	0.00
Spiked Amount						
			Recovery	=	93.18%	
62) 4-Bromofluorobenzene	11.13	95	258206	47.66	ug/l	0.00
Spiked Amount						
			Recovery	=	95.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	227901	40.926	ug/l	99
3) Chloromethane	1.32	50	237536	42.222	ug/l	99
4) Vinyl Chloride	1.40	62	274952	45.201	ug/l	99
5) Bromomethane	1.63	94	168581	40.802	ug/l	95
6) Chloroethane	1.72	64	155642	44.572	ug/l	95
7) Trichlorofluoromethane	1.92	101	321768	45.429	ug/l	98
8) Diethyl Ether	2.18	74	142299	46.029	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	190344	45.779	ug/l	98
10) Methyl Iodide	2.50	142	270318	49.547	ug/l	99
11) Tert butyl alcohol	3.03	59	239303	219.486	ug/l	99
12) 1,1-Dichloroethene	2.37	96	188307	45.550	ug/l	96
13) Acrolein	2.28	56	212813	247.554	ug/l	99
14) Allyl chloride	2.72	41	342672	46.116	ug/l	98
15) Acrylonitrile	3.13	53	590245	233.977	ug/l	99
16) Acetone	2.43	43	514291	193.263	ug/l	99
17) Carbon Disulfide	2.56	76	448129	39.662	ug/l	99
18) Methyl Acetate	2.76	43	372668	49.053	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	676727	49.977	ug/l	98
20) Methylene Chloride	2.85	84	221384	44.951	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	201656	44.302	ug/l	99
22) Diisopropyl ether	3.84	45	709783	48.011	ug/l	98
23) Vinyl Acetate	3.80	43	2505752	222.349	ug/l	100
24) 1,1-Dichloroethane	3.69	63	381062	47.463	ug/l	99
25) 2-Butanone	4.65	43	824627	216.247	ug/l	98
26) 2,2-Dichloropropane	4.58	77	302733	47.109	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	243676	47.832	ug/l	97
28) Bromochloromethane	5.01	49	154129	43.687	ug/l	95
29) Tetrahydrofuran	5.11	42	519911	229.714	ug/l	98
30) Chloroform	5.20	83	379506	47.717	ug/l	99
31) Cyclohexane	5.57	56	336195	44.521	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	326253	48.530	ug/l	98
36) 1,1-Dichloropropene	5.79	75	277655	47.663	ug/l	98
37) Ethyl Acetate	4.82	43	317721	47.620	ug/l	99
38) Carbon Tetrachloride	5.78	117	274201	49.286	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	335228	45.935	ug/l	96
40) Benzene	6.14	78	856408	47.580	ug/l	98
41) Methacrylonitrile	5.03	41	178876	46.978	ug/l	97
42) 1,2-Dichloroethane	6.18	62	309027	49.718	ug/l	99
43) Isopropyl Acetate	6.43	43	533457	48.826	ug/l	99
44) Trichloroethene	7.21	130	244092	48.011	ug/l	98
45) 1,2-Dichloropropane	7.51	63	225302	48.588	ug/l	99
46) Dibromomethane	7.65	93	149591	49.811	ug/l	98
47) Bromodichloromethane	7.89	83	296513	50.340	ug/l	99
48) Methyl methacrylate	7.76	41	261631	50.118	ug/l	97
49) 1,4-Dioxane	7.73	88	93816	847.809	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1653125	239.730	ug/l	99
52) Toluene	8.78	92	549124	49.631	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	329951	52.023	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	362064	51.892	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	227230	50.162	ug/l	98
56) Ethyl methacrylate	9.17	69	366269	47.775	ug/l	99
57) 1,3-Dichloropropane	9.37	76	379562	49.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	575027	252.410	ug/l	98
59) 2-Hexanone	9.48	43	1257364	234.977	ug/l	98
60) Dibromochloromethane	9.57	129	244591	51.729	ug/l	99
61) 1,2-Dibromoethane	9.67	107	238653	49.828	ug/l	100
64) Tetrachloroethene	9.33	164	305671	53.461	ug/l	96
65) Chlorobenzene	10.14	112	600969	48.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	227816	50.011	ug/l	99
67) Ethyl Benzene	10.25	91	1054299	49.977	ug/l	99
68) m/p-Xylenes	10.35	106	805009	100.727	ug/l	100
69) o-Xylene	10.70	106	392018	50.809	ug/l	99
70) Styrene	10.71	104	677090	52.316	ug/l	100
71) Bromoform	10.85	173	192185	53.052	ug/l #	98
73) Isopropylbenzene	11.01	105	1043612	50.030	ug/l	100
74) N-amyl acetate	10.89	43	472403	51.679	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	333997	44.844	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	287796m	41.696	ug/l	
77) Bromobenzene	11.25	156	273722	48.845	ug/l	97
78) n-propylbenzene	11.35	91	1181594	49.903	ug/l	100
79) 2-Chlorotoluene	11.42	91	696085	48.587	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	868988	50.193	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	115181	47.490	ug/l	99
82) 4-Chlorotoluene	11.51	91	807347	49.500	ug/l	99
83) tert-Butylbenzene	11.76	119	784402	48.216	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	885022	50.964	ug/l	100
85) sec-Butylbenzene	11.94	105	1011295	50.743	ug/l	99
86) p-Isopropyltoluene	12.06	119	932270	50.617	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	488978	48.552	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	488734	48.446	ug/l	99
89) n-Butylbenzene	12.39	91	816590	50.905	ug/l	99
90) Hexachloroethane	12.59	117	163102	47.676	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	491289	49.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	75888	47.424	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	347804	53.932	ug/l	98
94) Hexachlorobutadiene	13.78	225	164631	49.600	ug/l	99
95) Naphthalene	13.83	128	1060702	50.986	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	342842	52.576	ug/l	97

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

