

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122419\
 Data File : VX014257.D
 Acq On : 24 Dec 2019 19:54
 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

apatel
 12/26/2019 9:24:53 AM

Quant Time: Dec 25 08:34:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	490919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	766847	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	692634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	336614	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	283267	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	5.49	113	238392	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	8.71	98	921571	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.14	95	328617	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	191630	43.633	ug/l	98
3) Chloromethane	1.32	50	272040	46.155	ug/l	100
4) Vinyl Chloride	1.40	62	293106	47.129	ug/l	99
5) Bromomethane	1.63	94	211460	47.905	ug/l	100
6) Chloroethane	1.72	64	188734	49.170	ug/l	95
7) Trichlorofluoromethane	1.92	101	373508	48.515	ug/l	99
8) Diethyl Ether	2.18	74	174275	48.233	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	227519	49.025	ug/l	99
10) Methyl Iodide	2.50	142	301744	49.340	ug/l	98
11) Tert butyl alcohol	3.03	59	287467	239.112	ug/l	98
12) 1,1-Dichloroethene	2.37	96	226630	47.991	ug/l	99
13) Acrolein	2.28	56	178766	259.761	ug/l	100
14) Allyl chloride	2.72	41	421239	49.959	ug/l	99
15) Acrylonitrile	3.13	53	736481	262.458	ug/l	100
16) Acetone	2.43	43	615107	170.288	ug/l	99
17) Carbon Disulfide	2.56	76	588499	44.966	ug/l	100
18) Methyl Acetate	2.76	43	398696	55.702	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	801557	51.654	ug/l	98
20) Methylene Chloride	2.85	84	269133	47.315	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	250494	48.148	ug/l	99
22) Diisopropyl ether	3.84	45	868434	51.686	ug/l	92
23) Vinyl Acetate	3.80	43	2413080	175.991	ug/l	99
24) 1,1-Dichloroethane	3.69	63	464894	49.732	ug/l	99
25) 2-Butanone	4.65	43	1019333	228.891	ug/l	99
26) 2,2-Dichloropropane	4.58	77	318459	43.878	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	295402	50.206	ug/l	98
28) Bromochloromethane	5.00	49	197228	54.816	ug/l	97
29) Tetrahydrofuran	5.11	42	658534	264.378	ug/l	99
30) Chloroform	5.20	83	454273	51.263	ug/l	97
31) Cyclohexane	5.57	56	408422	49.124	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	378736	50.147	ug/l	98
36) 1,1-Dichloropropene	5.79	75	338751	48.144	ug/l	99
37) Ethyl Acetate	4.82	43	395213	50.864	ug/l	100
38) Carbon Tetrachloride	5.78	117	319853	49.899	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	408960	47.071	ug/l	99
40) Benzene	6.14	78	1057065	48.826	ug/l	99
41) Methacrylonitrile	5.03	41	221329	51.338	ug/l	99
42) 1,2-Dichloroethane	6.18	62	358762	48.886	ug/l	100
43) Isopropyl Acetate	6.43	43	654767	50.919	ug/l	100
44) Trichloroethene	7.21	130	303813	50.806	ug/l	96
45) 1,2-Dichloropropane	7.51	63	281922	50.806	ug/l	98
46) Dibromomethane	7.65	93	177807	48.465	ug/l	99
47) Bromodichloromethane	7.89	83	349454	50.576	ug/l	99
48) Methyl methacrylate	7.76	41	320641	50.922	ug/l	98
49) 1,4-Dioxane	7.73	88	115578	901.972	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2047980	253.599	ug/l	99
52) Toluene	8.78	92	657062	48.016	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	384359	50.732	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	426304	50.507	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	276694	50.450	ug/l	97
56) Ethyl methacrylate	9.17	69	448869	52.102	ug/l	99
57) 1,3-Dichloropropane	9.37	76	460838	49.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	869125	266.579	ug/l	100
59) 2-Hexanone	9.48	43	1555721	239.307	ug/l	99
60) Dibromochloromethane	9.57	129	287251	52.691	ug/l	100
61) 1,2-Dibromoethane	9.67	107	283643	50.547	ug/l	99
64) Tetrachloroethene	9.33	164	417914	68.187	ug/l	96
65) Chlorobenzene	10.14	112	714445	48.512	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	262289	49.880	ug/l	100
67) Ethyl Benzene	10.25	91	1252469	49.467	ug/l	100
68) m/p-Xylenes	10.35	106	955127	98.081	ug/l	100
69) o-Xylene	10.70	106	468386	49.042	ug/l	100
70) Styrene	10.71	104	793101	49.108	ug/l	99
71) Bromoform	10.85	173	216756	51.280	ug/l #	100
73) Isopropylbenzene	11.01	105	1221897	51.556	ug/l	100
74) N-amyl acetate	10.89	43	568470	51.171	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	383051	46.619	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	339371m	46.439	ug/l	
77) Bromobenzene	11.25	156	321747	49.342	ug/l	98
78) n-propylbenzene	11.35	91	1374512	51.705	ug/l	99
79) 2-Chlorotoluene	11.42	91	815167	50.444	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1007124	50.492	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	133059	51.392	ug/l	97
82) 4-Chlorotoluene	11.51	91	941732	50.240	ug/l	99
83) tert-Butylbenzene	11.76	119	867239	44.678	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	1016092	50.868	ug/l	100
85) sec-Butylbenzene	11.94	105	1171264	51.113	ug/l	100
86) p-Isopropyltoluene	12.06	119	1070874	51.088	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	555487	48.606	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	556539	47.893	ug/l	99
89) n-Butylbenzene	12.38	91	910209	50.891	ug/l	99
90) Hexachloroethane	12.59	117	192287	51.072	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	565085	49.118	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	85208	46.861	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	364850	48.793	ug/l	97
94) Hexachlorobutadiene	13.77	225	170167	47.352	ug/l	98
95) Naphthalene	13.83	128	1138165	51.808	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	374294	50.708	ug/l	98

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

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