

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014010.D
 Acq On : 13 Dec 2019 15:59
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:46:03 PM

Quant Time: Dec 13 17:00:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	566691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	864628	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	786472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	400387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	313851	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
35) Dibromofluoromethane	5.49	113	260151	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	8.71	98	1029611	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.14	95	375236	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	244238	40.315	ug/l	100
3) Chloromethane	1.32	50	330425	47.129	ug/l	100
4) Vinyl Chloride	1.40	62	341548	44.042	ug/l	100
5) Bromomethane	1.63	94	234717	44.240	ug/l	100
6) Chloroethane	1.70	64	211100	46.688	ug/l	100
7) Trichlorofluoromethane	1.92	101	426800	48.087	ug/l	100
8) Diethyl Ether	2.18	74	195761	48.800	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	254371	47.119	ug/l	100
10) Methyl Iodide	2.50	142	347098	52.941	ug/l	100
11) Tert butyl alcohol	3.05	59	317160	200.953	ug/l	100
12) 1,1-Dichloroethene	2.36	96	259152	48.137	ug/l	100
13) Acrolein	2.28	56	182788	196.732	ug/l	100
14) Allyl chloride	2.72	41	472650	48.418	ug/l	100
15) Acrylonitrile	3.13	53	772030	232.621	ug/l	100
16) Acetone	2.44	43	1037924	304.310	ug/l	100
17) Carbon Disulfide	2.56	76	731294	47.552	ug/l	100
18) Methyl Acetate	2.76	43	390978	44.322	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	875400	48.988	ug/l	100
20) Methylene Chloride	2.85	84	296619	47.427	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	281142	47.848	ug/l	100
22) Diisopropyl ether	3.84	45	941592	49.853	ug/l	100
23) Vinyl Acetate	3.80	43	3916863	249.782	ug/l	100
24) 1,1-Dichloroethane	3.69	63	509180	49.319	ug/l	100
25) 2-Butanone	4.66	43	1274783	261.894	ug/l	100
26) 2,2-Dichloropropane	4.58	77	407247	47.869	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	322146	47.773	ug/l	100
28) Bromochloromethane	5.00	49	210039	57.627	ug/l	100
29) Tetrahydrofuran	5.12	42	692327	235.957	ug/l	100
30) Chloroform	5.20	83	497443	47.603	ug/l	100
31) Cyclohexane	5.57	56	475700	48.739	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	420962	48.233	ug/l	100
36) 1,1-Dichloropropene	5.79	75	381362	48.555	ug/l	100
37) Ethyl Acetate	4.82	43	434370	49.574	ug/l	100
38) Carbon Tetrachloride	5.78	117	361490	49.898	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	473812	48.720	ug/l	100
40) Benzene	6.13	78	1169987	48.807	ug/l	100
41) Methacrylonitrile	5.03	41	233512	48.825	ug/l	100
42) 1,2-Dichloroethane	6.18	62	397061	48.642	ug/l	100
43) Isopropyl Acetate	6.43	43	708801	48.974	ug/l	100
44) Trichloroethene	7.21	130	313311	47.797	ug/l	100
45) 1,2-Dichloropropane	7.51	63	301248	50.134	ug/l	100
46) Dibromomethane	7.65	93	194943	47.935	ug/l	100
47) Bromodichloromethane	7.89	83	384152	49.981	ug/l	100
48) Methyl methacrylate	7.76	41	351009	50.026	ug/l	100
49) 1,4-Dioxane	7.73	88	136097	880.664	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2227056	245.062	ug/l	100
52) Toluene	8.78	92	741464	49.725	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	438995	50.210	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	485569	50.785	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	297972	49.651	ug/l	100
56) Ethyl methacrylate	9.17	69	492518	50.962	ug/l	100
57) 1,3-Dichloropropane	9.37	76	508519	49.101	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	956017	252.345	ug/l	100
59) 2-Hexanone	9.49	43	1842268	257.616	ug/l	100
60) Dibromochloromethane	9.58	129	312526	50.359	ug/l	100
61) 1,2-Dibromoethane	9.67	107	312389	48.800	ug/l	100
64) Tetrachloroethene	9.33	164	333249	54.910	ug/l	100
65) Chlorobenzene	10.14	112	798960	48.656	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	292635	49.771	ug/l	100
67) Ethyl Benzene	10.25	91	1422545	50.472	ug/l	100
68) m/p-Xylenes	10.35	106	1084101	100.328	ug/l	100
69) o-Xylene	10.70	106	531881	50.474	ug/l	100
70) Styrene	10.71	104	921756	51.850	ug/l	100
71) Bromoform	10.85	173	244020	50.316	ug/l	100
73) Isopropylbenzene	11.01	105	1389605	49.413	ug/l	100
74) N-amyl acetate	10.89	43	663341	51.492	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	478051	49.097	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	439820m	49.048	ug/l	
77) Bromobenzene	11.25	156	361064	47.633	ug/l	100
78) n-propylbenzene	11.35	91	1586913	50.464	ug/l	100
79) 2-Chlorotoluene	11.42	91	944929	49.949	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1172097	50.706	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	160555	49.082	ug/l	100
82) 4-Chlorotoluene	11.51	91	1076188	49.267	ug/l	100
83) tert-Butylbenzene	11.76	119	1123694	48.252	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1177071	50.210	ug/l	100
85) sec-Butylbenzene	11.94	105	1348388	50.312	ug/l	100
86) p-Isopropyltoluene	12.06	119	1241776	49.880	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	641266	48.436	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	638601	47.289	ug/l	100
89) n-Butylbenzene	12.38	91	1079551	50.778	ug/l	100
90) Hexachloroethane	12.59	117	224173	49.677	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	651551	49.657	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	100882	48.047	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	430836	47.539	ug/l	100
94) Hexachlorobutadiene	13.77	225	202618	46.201	ug/l	100
95) Naphthalene	13.83	128	1328512	49.348	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	435421	48.307	ug/l	100

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

