

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122319\
 Data File : VX014194.D
 Acq On : 23 Dec 2019 11:48
 Operator : JC/SP
 Sample : VX1223WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBS01

Manual Integrations
 APPROVED

apatel
 12/24/2019 8:53:03 AM

Quant Time: Dec 24 01:50:18 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	520907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	804560	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	728342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	363027	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	305404	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
35) Dibromofluoromethane	5.48	113	248557	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	8.71	98	942756	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.13	95	338461	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	75919	16.291	ug/l	98
3) Chloromethane	1.32	50	107806	17.238	ug/l	99
4) Vinyl Chloride	1.40	62	109623	16.612	ug/l	99
5) Bromomethane	1.63	94	71936	15.359	ug/l	98
6) Chloroethane	1.72	64	73653	18.084	ug/l	91
7) Trichlorofluoromethane	1.92	101	144124	17.643	ug/l	95
8) Diethyl Ether	2.18	74	72013	18.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	87383	17.745	ug/l	99
10) Methyl Iodide	2.50	142	84947	15.016	ug/l	99
11) Tert butyl alcohol	3.03	59	126804	99.402	ug/l	97
12) 1,1-Dichloroethene	2.36	96	87488	17.460	ug/l	97
13) Acrolein	2.28	56	73197	100.238	ug/l	99
14) Allyl chloride	2.72	41	164316	18.366	ug/l	99
15) Acrylonitrile	3.13	53	287734	96.636	ug/l	100
16) Acetone	2.43	43	344971	90.005	ug/l	100
17) Carbon Disulfide	2.56	76	226387	16.780	ug/l	100
18) Methyl Acetate	2.76	43	149389	19.670	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	323971	19.676	ug/l	97
20) Methylene Chloride	2.85	84	109573	18.154	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	98517	17.846	ug/l	96
22) Diisopropyl ether	3.84	45	347487	19.491	ug/l	94
23) Vinyl Acetate	3.80	43	1462949	100.553	ug/l	99
24) 1,1-Dichloroethane	3.69	63	181371	18.285	ug/l	99
25) 2-Butanone	4.65	43	445882	94.359	ug/l	100
26) 2,2-Dichloropropane	4.57	77	144974	18.825	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	116417	18.647	ug/l	99
28) Bromochloromethane	5.00	49	78404	20.820	ug/l	99
29) Tetrahydrofuran	5.11	42	257894	97.575	ug/l	100
30) Chloroform	5.20	83	176905	18.814	ug/l	98
31) Cyclohexane	5.57	56	152297	17.263	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	142579	17.791	ug/l	100
36) 1,1-Dichloropropene	5.79	75	127312	17.246	ug/l	100
37) Ethyl Acetate	4.81	43	159668	19.586	ug/l	100
38) Carbon Tetrachloride	5.77	117	119620	17.787	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	152196	16.697	ug/l	97
40) Benzene	6.13	78	411429	18.113	ug/l	99
41) Methacrylonitrile	5.03	41	87372	19.316	ug/l	98
42) 1,2-Dichloroethane	6.18	62	149032	19.356	ug/l	99
43) Isopropyl Acetate	6.43	43	258108	19.131	ug/l	99
44) Trichloroethene	7.21	130	112972	18.007	ug/l	94
45) 1,2-Dichloropropane	7.50	63	108510	18.638	ug/l	95
46) Dibromomethane	7.65	93	70484	18.312	ug/l	98
47) Bromodichloromethane	7.89	83	136712	18.859	ug/l	99
48) Methyl methacrylate	7.76	41	125198	18.951	ug/l	99
49) 1,4-Dioxane	7.73	88	51473	382.867	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	809714	95.566	ug/l	99
52) Toluene	8.78	92	255197	17.775	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	152585	19.196	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	171000	19.310	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	110641	19.228	ug/l	98
56) Ethyl methacrylate	9.17	69	171951	19.024	ug/l	99
57) 1,3-Dichloropropane	9.36	76	186317	19.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	326661	95.497	ug/l	99
59) 2-Hexanone	9.48	43	642346	94.177	ug/l	98
60) Dibromochloromethane	9.57	129	109748	19.188	ug/l	97
61) 1,2-Dibromoethane	9.67	107	112249	19.066	ug/l	100
64) Tetrachloroethene	9.33	164	117529	18.236	ug/l	97
65) Chlorobenzene	10.13	112	280036	18.083	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	103368	18.694	ug/l	99
67) Ethyl Benzene	10.25	91	485780	18.246	ug/l	100
68) m/p-Xylenes	10.35	106	366384	35.779	ug/l	98
69) o-Xylene	10.70	106	182680	18.190	ug/l	99
70) Styrene	10.71	104	307403	18.101	ug/l	98
71) Bromoform	10.85	173	84667	19.049	ug/l #	98
73) Isopropylbenzene	11.01	105	468568	18.332	ug/l	100
74) N-amyl acetate	10.89	43	222962	18.610	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	165095	18.631	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	133989m	17.001	ug/l	
77) Bromobenzene	11.25	156	127183	18.085	ug/l	97
78) n-propylbenzene	11.35	91	527089	18.385	ug/l	99
79) 2-Chlorotoluene	11.42	91	319818	18.351	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	387137	17.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52492	18.799	ug/l	97
82) 4-Chlorotoluene	11.51	91	367942	18.201	ug/l	98
83) tert-Butylbenzene	11.76	119	365965	17.482	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	396995	18.429	ug/l	99
85) sec-Butylbenzene	11.94	105	440171	17.811	ug/l	100
86) p-Isopropyltoluene	12.06	119	407233	18.014	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	220389	17.881	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	221288	17.657	ug/l	99
89) n-Butylbenzene	12.39	91	337515	17.498	ug/l	100
90) Hexachloroethane	12.59	117	69218	17.047	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	219672	17.705	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	34278	17.480	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	143083	17.743	ug/l	99
94) Hexachlorobutadiene	13.78	225	65694	16.951	ug/l	99
95) Naphthalene	13.83	128	445025	18.783	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	142800	17.939	ug/l	97

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

