

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013969.D
 Acq On : 12 Dec 2019 12:16
 Operator : JC/SP
 Sample : VX1212WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:11 AM

Quant Time: Dec 13 03:01:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	615836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	944194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	832318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	414476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	356825	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	5.49	113	295514	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	8.71	98	1124289	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	407810	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	138106	20.148	ug/l	99
3) Chloromethane	1.31	50	150684	19.591	ug/l	97
4) Vinyl Chloride	1.40	62	167019	19.293	ug/l	98
5) Bromomethane	1.62	94	104146	17.914	ug/l	94
6) Chloroethane	1.70	64	90231	18.317	ug/l	96
7) Trichlorofluoromethane	1.87	101	196535	20.446	ug/l	99
8) Diethyl Ether	2.19	74	91970	21.148	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.34	101	123624	21.055	ug/l	99
10) Methyl Iodide	2.48	142	127745	17.986	ug/l	98
11) Tert butyl alcohol	3.01	59	10923	6.191	ug/l #	74
12) 1,1-Dichloroethene	2.33	96	117514	20.051	ug/l	98
13) Acrolein	2.30	56	86739	77.744	ug/l	99
14) Allyl chloride	2.70	41	198934	18.704	ug/l	97
15) Acrylonitrile	3.15	53	354767	97.405	ug/l	99
16) Acetone	2.47	43	321935	91.218	ug/l	99
17) Carbon Disulfide	2.53	76	254118	15.210	ug/l	99
18) Methyl Acetate	2.78	43	214651	21.841	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	416024	21.428	ug/l	100
20) Methylene Chloride	2.84	84	172404	25.427	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	125085	19.592	ug/l	96
22) Diisopropyl ether	3.86	45	465186	22.715	ug/l #	88
23) Vinyl Acetate	3.81	43	1766506	103.687	ug/l	98
24) 1,1-Dichloroethane	3.67	63	242363	21.648	ug/l	99
25) 2-Butanone	4.69	43	480034	91.519	ug/l	99
26) 2,2-Dichloropropane	4.56	77	189626	20.472	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	150026	20.462	ug/l	95
28) Bromochloromethane	5.00	49	87792	19.836	ug/l	99
29) Tetrahydrofuran	5.14	42	317264	98.118	ug/l	98
30) Chloroform	5.20	83	234106	20.619	ug/l	98
31) Cyclohexane	5.55	56	215981	20.454	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	192351	20.273	ug/l	99
36) 1,1-Dichloropropene	5.78	75	169468	19.772	ug/l	98
37) Ethyl Acetate	4.84	43	203205	21.134	ug/l	99
38) Carbon Tetrachloride	5.76	117	158863	20.101	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	216161	20.403	ug/l	99
40) Benzene	6.12	78	550645	21.094	ug/l	99
41) Methacrylonitrile	5.05	41	91308	17.316	ug/l	90
42) 1,2-Dichloroethane	6.18	62	189625	21.300	ug/l	100
43) Isopropyl Acetate	6.45	43	316303	19.982	ug/l	99
44) Trichloroethene	7.20	130	142652	19.912	ug/l	99
45) 1,2-Dichloropropane	7.51	63	139323	21.332	ug/l	98
46) Dibromomethane	7.65	93	89094	20.085	ug/l	97
47) Bromodichloromethane	7.89	83	169252	20.183	ug/l	97
48) Methyl methacrylate	7.77	41	157802	20.517	ug/l	99
49) 1,4-Dioxane	7.76	88	57555	334.309	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	989333	99.358	ug/l	99
52) Toluene	8.78	92	338057	20.846	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	183126	19.185	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	213923	20.514	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	140239	21.459	ug/l	97
56) Ethyl methacrylate	9.18	69	212822	20.256	ug/l	100
57) 1,3-Dichloropropane	9.37	76	239817	21.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	447489	108.628	ug/l	98
59) 2-Hexanone	9.50	43	735744	94.740	ug/l	98
60) Dibromochloromethane	9.58	129	133481	19.681	ug/l	99
61) 1,2-Dibromoethane	9.67	107	141467	20.268	ug/l	99
64) Tetrachloroethene	9.33	164	131416	21.172	ug/l	96
65) Chlorobenzene	10.14	112	360244	20.847	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	134110	21.612	ug/l	99
67) Ethyl Benzene	10.25	91	638454	21.501	ug/l	99
68) m/p-Xylenes	10.36	106	476289	41.894	ug/l	99
69) o-Xylene	10.70	106	236105	21.294	ug/l	99
70) Styrene	10.71	104	394775	21.165	ug/l	99
71) Bromoform	10.85	173	95509	18.602	ug/l	98
73) Isopropylbenzene	11.01	105	630360	21.681	ug/l	99
74) N-amyl acetate	10.90	43	277599	20.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	224009	22.217	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	183832m	19.720	ug/l	
77) Bromobenzene	11.25	156	162218	20.653	ug/l	98
78) n-propylbenzene	11.35	91	688107	21.202	ug/l	100
79) 2-Chlorotoluene	11.42	91	418942	21.518	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	525671	22.060	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	61411	18.022	ug/l	92
82) 4-Chlorotoluene	11.51	91	476696	21.140	ug/l	98
83) tert-Butylbenzene	11.77	119	528755	21.834	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	525513	21.730	ug/l	99
85) sec-Butylbenzene	11.94	105	606541	21.928	ug/l	100
86) p-Isopropyltoluene	12.06	119	554669	21.555	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	284345	20.768	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	282470	20.255	ug/l	98
89) n-Butylbenzene	12.39	91	457928	20.865	ug/l	99
90) Hexachloroethane	12.59	117	94737	20.368	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	294430	21.765	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40077	18.253	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	184327	19.551	ug/l	98
94) Hexachlorobutadiene	13.78	225	96086	21.216	ug/l	99
95) Naphthalene	13.83	128	547850	19.513	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	188691	20.214	ug/l	99

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

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