

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013637.D
 Acq On : 27 Nov 2019 06:58
 Operator : JC/SP
 Sample : K5968-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MS

Manual Integrations
 APPROVED

apatel
 11/27/2019 4:29:07 PM

Quant Time: Nov 27 07:37:42 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	672619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1037202	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	946615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	467196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	368652	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
35) Dibromofluoromethane	5.49	113	306905	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	8.71	98	1173958	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	11.14	95	421782	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	382129	51.041	ug/l	98
3) Chloromethane	1.31	50	421314	50.153	ug/l	99
4) Vinyl Chloride	1.40	62	484593	51.253	ug/l	98
5) Bromomethane	1.63	94	270287	42.567	ug/l	98
6) Chloroethane	1.71	64	262244	48.741	ug/l	97
7) Trichlorofluoromethane	1.92	101	509920	48.569	ug/l	98
8) Diethyl Ether	2.18	74	237848	50.075	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	304729	47.518	ug/l	98
10) Methyl Iodide	2.50	142	415289	53.535	ug/l	100
11) Tert butyl alcohol	3.03	59	436554	226.527	ug/l	98
12) 1,1-Dichloroethene	2.36	96	314703	49.164	ug/l	98
13) Acrolein	2.28	56	279002	217.281	ug/l	100
14) Allyl chloride	2.72	41	544338	46.859	ug/l	99
15) Acrylonitrile	3.13	53	974493	244.970	ug/l	99
16) Acetone	2.43	43	846617	219.632	ug/l	99
17) Carbon Disulfide	2.56	76	857318	46.982	ug/l	99
18) Methyl Acetate	2.76	43	503925	46.947	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1051040	49.565	ug/l	99
20) Methylene Chloride	2.84	84	359965	48.607	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	341789	49.014	ug/l	99
22) Diisopropyl ether	3.84	45	1118803	50.018	ug/l	99
23) Vinyl Acetate	3.80	43	4244170	228.087	ug/l	100
24) 1,1-Dichloroethane	3.69	63	606696	49.616	ug/l	100
25) 2-Butanone	4.65	43	1380021	240.891	ug/l	100
26) 2,2-Dichloropropane	4.57	77	335383	33.151	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	388049	48.457	ug/l	97
28) Bromochloromethane	5.00	49	249364	51.606	ug/l	99
29) Tetrahydrofuran	5.11	42	897478	254.125	ug/l	99
30) Chloroform	5.20	83	595137	47.992	ug/l	96
31) Cyclohexane	5.57	56	557978	48.380	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	509532	49.169	ug/l	99
36) 1,1-Dichloropropene	5.79	75	448468	47.632	ug/l	98
37) Ethyl Acetate	4.82	43	487678	46.171	ug/l	100
38) Carbon Tetrachloride	5.78	117	431320	49.682	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	548461	47.127	ug/l	98
40) Benzene	6.13	78	1400618	48.844	ug/l	99
41) Methacrylonitrile	5.03	41	294632	50.863	ug/l	99
42) 1,2-Dichloroethane	6.19	62	477601	48.837	ug/l	100
43) Isopropyl Acetate	6.44	43	820928	47.209	ug/l	100
44) Trichloroethene	7.21	130	376359	47.822	ug/l	95
45) 1,2-Dichloropropane	7.51	63	361524	50.390	ug/l	97
46) Dibromomethane	7.65	93	235763	48.384	ug/l	100
47) Bromodichloromethane	7.89	83	459091	49.837	ug/l	100
48) Methyl methacrylate	7.76	41	426827	50.518	ug/l	98
49) 1,4-Dioxane	7.73	88	188427	996.337	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2731686	249.740	ug/l	100
52) Toluene	8.78	92	879182	49.352	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	490952	46.823	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	544395	47.523	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	359565	50.087	ug/l	98
56) Ethyl methacrylate	9.17	69	573337	49.675	ug/l	99
57) 1,3-Dichloropropane	9.37	76	600967	48.567	ug/l	100
59) 2-Hexanone	9.48	43	2104870	246.734	ug/l	99
60) Dibromochloromethane	9.57	129	372712	50.027	ug/l	100
61) 1,2-Dibromoethane	9.67	107	374860	48.891	ug/l	100
64) Tetrachloroethene	9.33	164	329821	46.722	ug/l	98
65) Chlorobenzene	10.14	112	939108	47.783	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	348416	49.369	ug/l	99
67) Ethyl Benzene	10.25	91	1657772	49.086	ug/l	98
68) m/p-Xylenes	10.36	106	1265843	97.899	ug/l	100
69) o-Xylene	10.70	106	619508	49.126	ug/l	100
70) Styrene	10.71	104	1045718	49.296	ug/l	99
71) Bromoform	10.85	173	293989	50.345	ug/l #	99
73) Isopropylbenzene	11.01	105	1622891	49.521	ug/l	100
74) N-amyl acetate	10.89	43	699715	46.609	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	567950	49.973	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	445574m	42.403	ug/l	
77) Bromobenzene	11.25	156	425495	48.060	ug/l	99
78) n-propylbenzene	11.35	91	1820962	49.775	ug/l	100
79) 2-Chlorotoluene	11.42	91	1074608	48.967	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1352584	50.358	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	165993	43.217	ug/l	99
82) 4-Chlorotoluene	11.51	91	1231546	48.452	ug/l	100
83) tert-Butylbenzene	11.76	119	1369907	50.185	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1351802	49.589	ug/l	100
85) sec-Butylbenzene	11.94	105	1531761	49.127	ug/l	100
86) p-Isopropyltoluene	12.06	119	1410722	48.635	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	727183	47.119	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	728505	46.344	ug/l	99
89) n-Butylbenzene	12.39	91	1183219	47.827	ug/l	99
90) Hexachloroethane	12.59	117	251967	48.059	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	733881	48.128	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	119670	48.353	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	492915	46.383	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	221485	43.386	ug/l	98
95) Naphthalene	13.83	128	1549332	48.955	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	499174	47.441	ug/l	99

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

