

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX123119\
 Data File : VX014381.D
 Acq On : 31 Dec 2019 15:40
 Operator : JC/SP
 Sample : K6464-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1MS

Manual Integrations
 APPROVED

apatel
 1/2/2020 9:54:27 AM

Quant Time: Jan 01 04:45:09 2020
 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	467139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	727038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	647945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	308627	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	268942	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
35) Dibromofluoromethane	5.49	113	225349	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	8.71	98	841233	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.13	95	294831	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	170459	40.788	ug/l	98
3) Chloromethane	1.32	50	240091	42.808	ug/l	100
4) Vinyl Chloride	1.40	62	261161	44.130	ug/l	99
5) Bromomethane	1.63	94	187004	44.522	ug/l	100
6) Chloroethane	1.71	64	173079	47.386	ug/l	96
7) Trichlorofluoromethane	1.92	101	352226	48.080	ug/l	98
8) Diethyl Ether	2.18	74	168447	48.993	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	210972	47.774	ug/l	100
10) Methyl Iodide	2.50	142	261095	45.104	ug/l	100
11) Tert butyl alcohol	3.03	59	317041	277.135	ug/l	97
12) 1,1-Dichloroethene	2.36	96	208866	46.481	ug/l	98
13) Acrolein	2.28	56	186672	285.057	ug/l	98
14) Allyl chloride	2.72	41	401393	50.029	ug/l	98
15) Acrylonitrile	3.13	53	727212	272.348	ug/l	100
16) Acetone	2.44	43	608178	176.941	ug/l	100
17) Carbon Disulfide	2.56	76	485024	39.047	ug/l	99
18) Methyl Acetate	2.76	43	373849	54.890	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	783151	53.037	ug/l	98
20) Methylene Chloride	2.85	84	251098	46.391	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	222913	45.028	ug/l	98
22) Diisopropyl ether	3.84	45	845325	52.872	ug/l	98
23) Vinyl Acetate	3.80	43	3620786	277.514	ug/l	100
24) 1,1-Dichloroethane	3.69	63	441885	49.677	ug/l	99
25) 2-Butanone	4.66	43	1029307	242.896	ug/l	100
26) 2,2-Dichloropropane	4.58	77	327615	47.437	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	272140	48.607	ug/l	99
28) Bromochloromethane	5.00	49	189121	55.235	ug/l	98
29) Tetrahydrofuran	5.12	42	670613	282.932	ug/l	99
30) Chloroform	5.20	83	428751	50.846	ug/l	99
31) Cyclohexane	5.57	56	371104	46.908	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	352587	49.061	ug/l	100
36) 1,1-Dichloropropene	5.79	75	309620	46.413	ug/l	100
37) Ethyl Acetate	4.82	43	403886	54.826	ug/l	100
38) Carbon Tetrachloride	5.78	117	297804	49.004	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	364326	44.230	ug/l	98
40) Benzene	6.14	78	985216	47.999	ug/l	100
41) Methacrylonitrile	5.03	41	223437	54.665	ug/l	96
42) 1,2-Dichloroethane	6.18	62	337454	48.500	ug/l	99
43) Isopropyl Acetate	6.43	43	658610	54.023	ug/l	100
44) Trichloroethene	7.21	130	258136	45.531	ug/l	98
45) 1,2-Dichloropropane	7.51	63	269594	51.244	ug/l	95
46) Dibromomethane	7.65	93	166740	47.937	ug/l	100
47) Bromodichloromethane	7.89	83	332591	50.771	ug/l	100
48) Methyl methacrylate	7.76	41	314285	52.646	ug/l	99
49) 1,4-Dioxane	7.73	88	123205	1014.140	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2086497	272.515	ug/l	99
52) Toluene	8.78	92	610950	47.091	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	362588	50.478	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	407827	50.963	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	261242	50.241	ug/l	99
56) Ethyl methacrylate	9.17	69	427263	52.310	ug/l	100
57) 1,3-Dichloropropane	9.37	76	437938	50.058	ug/l	100
59) 2-Hexanone	9.48	43	1567006	254.242	ug/l	100
60) Dibromochloromethane	9.58	129	267070	51.672	ug/l	99
61) 1,2-Dibromoethane	9.67	107	266130	50.023	ug/l	99
64) Tetrachloroethene	9.33	164	248176	43.285	ug/l	99
65) Chlorobenzene	10.14	112	652399	47.355	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	250665	50.957	ug/l	99
67) Ethyl Benzene	10.24	91	1151799	48.628	ug/l	99
68) m/p-Xylenes	10.35	106	870034	95.505	ug/l	99
69) o-Xylene	10.70	106	430887	48.227	ug/l	99
70) Stvrene	10.71	104	714868	47.317	ug/l	98
71) Bromoform	10.85	173	207075	52.369	ug/l	100
73) Isopropylbenzene	11.01	105	1132607	52.123	ug/l	100
74) N-amyl acetate	10.89	43	559531	54.933	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	411473	54.619	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	328766m	49.068	ug/l	
77) Bromobenzene	11.25	156	290518	48.593	ug/l	100
78) n-propylbenzene	11.35	91	1256571	51.554	ug/l	100
79) 2-Chlorotoluene	11.42	91	748558	50.523	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	921076	50.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	132474	55.806	ug/l	99
82) 4-Chlorotoluene	11.51	91	844754	49.153	ug/l	99
83) tert-Butylbenzene	11.77	119	933152	52.433	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	942223	51.448	ug/l	100
85) sec-Butylbenzene	11.94	105	1054447	50.188	ug/l	100
86) p-Isopropyltoluene	12.06	119	979008	50.941	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	501372	47.849	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	495384	46.496	ug/l	99
89) n-Butylbenzene	12.38	91	812740	49.562	ug/l	99
90) Hexachloroethane	12.59	117	177366	51.381	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	508363	48.195	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	85947	51.554	ug/l	95
93) 1,2,4-Trichlorobenzene	13.64	180	326079	47.563	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	152743	46.358	ug/l	96
95) Naphthalene	13.83	128	1067746	53.010	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	331215	48.941	ug/l	98

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

