

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011520\
 Data File : VX014616.D
 Acq On : 15 Jan 2020 14:06
 Operator : JC/SP
 Sample : VX0115WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:42:18 AM

Quant Time: Jan 16 03:26:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	76762	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	433192	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	395420	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	163907	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.13	95	184554	29.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.23%
63) Toluene-d8	8.71	98	533553	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	115308	21.736	ug/l 98
3) Chloromethane	1.32	50	122733	21.131	ug/l 95
4) Vinyl Chloride	1.40	62	134141	20.569	ug/l 97
5) Bromomethane	1.64	94	76566	18.814	ug/l 98
6) Chloroethane	1.72	64	77506	21.082	ug/l 99
7) Trichlorofluoromethane	1.92	101	146627	20.306	ug/l 98
8) Diethyl Ether	2.18	74	62819	19.917	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	88409	20.927	ug/l 99
10) 1,1-Dichloroethene	2.37	96	87325	20.550	ug/l 97
11) Methyl Iodide	2.50	142	95085	16.685	ug/l 99
12) Methyl Acetate	2.76	43	156163	20.343	ug/l 99
13) Acrolein	2.28	56	73497	91.152	ug/l 96
14) Acrylonitrile	3.12	53	256727	97.739	ug/l 100
15) Acetone	2.43	58	86297	98.001	ug/l 94
16) Carbon Disulfide	2.56	76	237066	20.313	ug/l 97
17) Allyl chloride	2.72	41	153150	19.474	ug/l 96
18) Methylene Chloride	2.84	84	101653	20.440	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	93382	20.414	ug/l 97
20) Diisopropyl ether	3.84	45	310722	19.970	ug/l 94
21) 1,1-Dichloroethane	3.69	63	165885	19.625	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	104427	19.866	ug/l 95
23) tert-Butyl Alcohol	3.02	59	108894m	100.245	ug/l
24) Methyl tert-Butyl Ether	3.18	73	284812	20.140	ug/l 100
25) Chloroform	5.20	83	162887	19.893	ug/l 99
26) Cyclohexane	5.57	56	158440	20.321	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	125438	19.744	ug/l 99
30) 2-Butanone	4.65	43	380981	94.666	ug/l 100
31) 2,2-Dichloropropane	4.57	77	133852	19.691	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	136547	19.427	ug/l 98
33) Carbon Tetrachloride	5.77	117	116751	19.348	ug/l 96
34) Benzene	6.13	78	383811	19.551	ug/l 96
35) Methacrylonitrile	5.02	41	75418	18.764	ug/l 99
36) 1,2-Dichloroethane	6.18	62	129869	19.009	ug/l 99
37) Trichloroethene	7.20	130	105694	19.663	ug/l 95
38) Methylcyclohexane	7.45	83	161201	20.379	ug/l 99
39) 1,2-Dichloropropane	7.51	63	95718	18.750	ug/l 96
40) Dibromomethane	7.65	93	63932	19.487	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	120654	18.780	ug/l	95
42) Vinyl Acetate	3.80	43	1209959	97.544	ug/l	99
43) Ethyl Acetate	4.81	43	134224	18.424	ug/l	100
44) Isopropyl Acetate	6.43	43	225357	19.175	ug/l	100
45) 1,4-Dioxane	7.73	88	48529	412.797	ug/l	97
46) Methyl methacrylate	7.76	41	110229	19.072	ug/l	99
47) n-amyl Acetate	10.89	43	183759	18.660	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	133540	19.038	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	150949	19.099	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	96850	19.400	ug/l	98
51) Ethyl methacrylate	9.17	69	146639	18.865	ug/l	95
52) 1,3-Dichloropropane	9.36	76	162089	19.163	ug/l	99
53) Dibromochloromethane	9.57	129	95965	18.793	ug/l	99
54) 1,2-Dibromoethane	9.67	107	101033	19.514	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	321943	90.121	ug/l	99
56) Bromoform	10.85	173	71523	18.184	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	709526	95.284	ug/l	99
59) 2-Hexanone	9.48	43	553664	96.140	ug/l	100
61) Tetrachloroethene	9.33	164	111530	19.083	ug/l	98
62) Toluene	8.78	91	405831	19.345	ug/l	99
64) Chlorobenzene	10.13	112	254295	19.417	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	90353	18.680	ug/l	99
66) Ethyl Benzene	10.25	91	447208	19.571	ug/l	99
67) m/p-Xylenes	10.35	106	338313	38.653	ug/l	99
68) o-Xylene	10.69	106	161551	18.954	ug/l	98
69) Styrene	10.71	104	272013	18.836	ug/l	99
70) Isopropylbenzene	11.01	105	437995	19.616	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	141601	18.826	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	121057m	18.816	ug/l	
73) Bromobenzene	11.25	156	114607	19.362	ug/l	96
74) n-propylbenzene	11.35	91	498265	19.528	ug/l	99
75) 2-Chlorotoluene	11.42	91	297568	19.460	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	363836	19.555	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	45388	18.330	ug/l	95
78) 4-Chlorotoluene	11.51	91	336203	19.359	ug/l	98
79) tert-butylbenzene	11.76	119	343064	19.706	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	366716	19.761	ug/l	100
81) sec-Butylbenzene	11.94	105	417933	19.401	ug/l	98
82) p-Isopropyltoluene	12.06	119	386534	19.655	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	197689	19.128	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	197280	19.253	ug/l	100
85) n-Butylbenzene	12.38	91	331286	19.253	ug/l	100
86) Hexachloroethane	12.59	117	64358	18.249	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	196016	18.797	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	30147	18.764	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	133173	19.348	ug/l	99
90) Hexachlorobutadiene	13.78	225	66434	19.316	ug/l	96
91) Naphthalene	13.83	128	389641	18.753	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	132191	18.868	ug/l	98

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

