

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015616.D
 Acq On : 10 Apr 2020 13:18
 Operator : JC/SP
 Sample : VX0410WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0410WBS02

Manual Integrations
 APPROVED

apatel
 4/13/2020 1:24:07 PM

Quant Time: Apr 11 01:45:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	199599	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	1132472	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	1047415	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	482068	30.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.03%
60) 4-Bromofluorobenzene	11.12	95	532699	29.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.07%
63) Toluene-d8	8.70	98	1324656	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	168044	17.630	ug/l 99
3) Chloromethane	1.31	50	224296	19.067	ug/l 100
4) Vinyl Chloride	1.39	62	222937	19.700	ug/l 99
5) Bromomethane	1.64	94	146006	24.235	ug/l 97
6) Chloroethane	1.72	64	145750	20.643	ug/l 97
7) Trichlorofluoromethane	1.92	101	331152	20.476	ug/l 97
8) Diethyl Ether	2.17	74	133748	21.494	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	214664	20.062	ug/l 99
10) 1,1-Dichloroethene	2.36	96	207369	19.080	ug/l 93
11) Methyl Iodide	2.49	142	266193	18.431	ug/l 96
12) Methyl Acetate	2.75	43	320582	20.158	ug/l 98
13) Acrolein	2.27	56	249529	120.613	ug/l 96
14) Acrylonitrile	3.11	53	710374	104.337	ug/l 99
15) Acetone	2.42	58	223993	129.382	ug/l 86
16) Carbon Disulfide	2.55	76	585588	18.431	ug/l 99
17) Allyl chloride	2.71	41	464661	18.937	ug/l 96
18) Methylene Chloride	2.84	84	246822	20.228	ug/l 98
19) trans-1,2-Dichloroethene	3.15	96	231509	19.692	ug/l 98
20) Diisopropyl ether	3.83	45	884430	20.096	ug/l 100
21) 1,1-Dichloroethane	3.67	63	453404	20.183	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	271118	20.017	ug/l 100
23) tert-Butyl Alcohol	3.01	59	307205	91.732	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	826261	20.476	ug/l 99
25) Chloroform	5.18	83	447097	20.134	ug/l 96
26) Cyclohexane	5.55	56	407306	18.976	ug/l # 99
29) 1,1-Dichloropropene	5.78	75	341686	20.082	ug/l 98
30) 2-Butanone	4.64	43	1097832	107.636	ug/l 100
31) 2,2-Dichloropropane	4.56	77	410807	20.064	ug/l 99
32) 1,1,1-Trichloroethane	5.47	97	410479	19.774	ug/l 100
33) Carbon Tetrachloride	5.76	117	365327	19.311	ug/l 96
34) Benzene	6.12	78	976081	19.905	ug/l 96
35) Methacrylonitrile	5.01	41	235141	20.330	ug/l 98
36) 1,2-Dichloroethane	6.17	62	399330	21.074	ug/l 100
37) Trichloroethene	7.20	130	270823	19.614	ug/l 95
38) Methylcyclohexane	7.45	83	393527	18.867	ug/l 99
39) 1,2-Dichloropropane	7.50	63	267138	20.282	ug/l 97
40) Dibromomethane	7.64	93	171443	19.556	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	367763	19.302	ug/l	100
42) Vinyl Acetate	3.79	43	3953569	102.302	ug/l	100
43) Ethyl Acetate	4.79	43	402511	18.142	ug/l	99
44) Isopropyl Acetate	6.42	43	702786	19.683	ug/l	100
45) 1,4-Dioxane	7.71	88	116317	353.628	ug/l	97
46) Methyl methacrylate	7.75	41	348731	19.572	ug/l	96
47) n-amyl Acetate	10.89	43	599758	19.481	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	419442	19.070	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	446438	19.664	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	249840	19.858	ug/l	96
51) Ethyl methacrylate	9.16	69	422297	19.516	ug/l	99
52) 1,3-Dichloropropane	9.35	76	440673	20.278	ug/l	99
53) Dibromochloromethane	9.56	129	292574	18.864	ug/l	100
54) 1,2-Dibromoethane	9.65	107	269615	19.972	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	1061125	103.830	ug/l	99
56) Bromoform	10.84	173	233064	18.276	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	2060459	102.786	ug/l	100
59) 2-Hexanone	9.48	43	1600619	104.956	ug/l	99
61) Tetrachloroethene	9.32	164	258854	19.227	ug/l	97
62) Toluene	8.77	91	1053306	19.854	ug/l	99
64) Chlorobenzene	10.12	112	667592	19.572	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	265739	19.065	ug/l	96
66) Ethyl Benzene	10.24	91	1206566	19.908	ug/l	99
67) m/p-Xylenes	10.34	106	904716	39.440	ug/l	98
68) o-Xylene	10.68	106	437090	19.494	ug/l	99
69) Styrene	10.70	104	761619	19.496	ug/l	100
70) Isopropylbenzene	11.01	105	1180767	19.865	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	390116	20.250	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	363141m	20.145	ug/l	
73) Bromobenzene	11.24	156	315068	19.746	ug/l	95
74) n-propylbenzene	11.35	91	1363833	20.004	ug/l	99
75) 2-Chlorotoluene	11.40	91	823388	19.857	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	1004675	19.682	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	133952	17.243	ug/l	98
78) 4-Chlorotoluene	11.49	91	956208	19.933	ug/l	98
79) tert-butylbenzene	11.76	119	995065	19.504	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	1020754	19.740	ug/l	99
81) sec-Butylbenzene	11.93	105	1155467	19.744	ug/l	99
82) p-Isopropyltoluene	12.05	119	1056065	19.146	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	573383	19.985	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	571174	19.949	ug/l	98
85) n-Butylbenzene	12.37	91	973676	19.805	ug/l	99
86) Hexachloroethane	12.58	117	186710	17.514	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	552657	19.744	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	96672	19.051	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	426016	18.893	ug/l	99
90) Hexachlorobutadiene	13.77	225	203923	17.168	ug/l	99
91) Naphthalene	13.82	128	1316435	20.162	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	416128	18.577	ug/l	95

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

