

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041720\
 Data File : VX015742.D
 Acq On : 17 Apr 2020 16:46
 Operator : JC/SP
 Sample : VX0417WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0417WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:06:43 AM

Quant Time: Apr 20 05:12:47 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	4.99	128	170853	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	950920	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	876739	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	382464	28.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.50%
60) 4-Bromofluorobenzene	11.12	95	438092	29.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.33%
63) Toluene-d8	8.70	98	1109791	29.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	124399	15.247	ug/l 98
3) Chloromethane	1.31	50	174946	17.374	ug/l 98
4) Vinyl Chloride	1.39	62	174841	18.049	ug/l 96
5) Bromomethane	1.64	94	134019	25.988	ug/l 99
6) Chloroethane	1.72	64	116516	19.279	ug/l 99
7) Trichlorofluoromethane	1.92	101	244647	17.672	ug/l 99
8) Diethyl Ether	2.17	74	101318	19.022	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	165905	18.114	ug/l 98
10) 1,1-Dichloroethene	2.36	96	169692	18.240	ug/l 93
11) Methyl Iodide	2.50	142	145765	11.791	ug/l 97
12) Methyl Acetate	2.75	43	255117	18.741	ug/l 98
13) Acrolein	2.27	56	172245	97.265	ug/l 96
14) Acrylonitrile	3.12	53	559542	96.010	ug/l 99
15) Acetone	2.42	58	152652	103.010	ug/l 98
16) Carbon Disulfide	2.55	76	447858	16.468	ug/l 99
17) Allyl chloride	2.71	41	358158	17.052	ug/l 99
18) Methylene Chloride	2.84	84	195926	18.758	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	184923	18.375	ug/l 96
20) Diisopropyl ether	3.83	45	708391	18.805	ug/l 97
21) 1,1-Dichloroethane	3.67	63	355249	18.474	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	218029	18.806	ug/l 96
23) tert-Butyl Alcohol	3.01	59	224439	78.294	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	634819	18.379	ug/l 97
25) Chloroform	5.18	83	341958	17.990	ug/l 100
26) Cyclohexane	5.55	56	317263	17.268	ug/l # 8
29) 1,1-Dichloropropene	5.77	75	259628	18.173	ug/l 99
30) 2-Butanone	4.64	43	797743	93.147	ug/l 100
31) 2,2-Dichloropropane	4.55	77	300451	17.476	ug/l 100
32) 1,1,1-Trichloroethane	5.47	97	310753	17.828	ug/l 99
33) Carbon Tetrachloride	5.76	117	277212	17.451	ug/l 94
34) Benzene	6.12	78	778479	18.906	ug/l 99
35) Methacrylonitrile	5.01	41	179407	18.473	ug/l 96
36) 1,2-Dichloroethane	6.17	62	295912	18.598	ug/l 98
37) Trichloroethene	7.19	130	217386	18.750	ug/l 95
38) Methylcyclohexane	7.44	83	304355	17.378	ug/l 98
39) 1,2-Dichloropropane	7.49	63	206727	18.692	ug/l 98
40) Dibromomethane	7.64	93	135270	18.375	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	274313	17.146	ug/l	97
42) Vinyl Acetate	3.79	43	3077440	94.835	ug/l	100
43) Ethyl Acetate	4.79	43	308897	16.581	ug/l	98
44) Isopropyl Acetate	6.42	43	531159	17.716	ug/l	97
45) 1,4-Dioxane	7.72	88	79682	288.501	ug/l	98
46) Methyl methacrylate	7.75	41	259432	17.340	ug/l	98
47) n-amyl Acetate	10.88	43	449118	17.373	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	310211	16.796	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	340158	17.843	ug/l	95
50) 1,1,2-Trichloroethane	9.20	97	193621	18.328	ug/l	99
51) Ethyl methacrylate	9.16	69	321481	17.694	ug/l	98
52) 1,3-Dichloropropane	9.36	76	351175	19.245	ug/l	99
53) Dibromochloromethane	9.56	129	223111	17.132	ug/l	99
54) 1,2-Dibromoethane	9.65	107	212546	18.750	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	814274	94.888	ug/l	99
56) Bromoform	10.84	173	166994	15.595	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	1587469	94.607	ug/l	99
59) 2-Hexanone	9.47	43	1186431	92.942	ug/l	98
61) Tetrachloroethene	9.32	164	202170	17.940	ug/l	99
62) Toluene	8.77	91	832760	18.753	ug/l	99
64) Chlorobenzene	10.12	112	548886	19.224	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	208010	17.829	ug/l	96
66) Ethyl Benzene	10.24	91	957935	18.883	ug/l	100
67) m/p-Xylenes	10.34	106	727550	37.891	ug/l	97
68) o-Xylene	10.68	106	346484	18.461	ug/l	100
69) Styrene	10.70	104	605902	18.530	ug/l	99
70) Isopropylbenzene	11.00	105	953846	19.171	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	302233	18.742	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	278244m	18.440	ug/l	
73) Bromobenzene	11.24	156	249719	18.697	ug/l	96
74) n-propylbenzene	11.34	91	1084517	19.004	ug/l	100
75) 2-Chlorotoluene	11.40	91	651990	18.784	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	789002	18.466	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	95827	14.737	ug/l	99
78) 4-Chlorotoluene	11.49	91	748297	18.636	ug/l	97
79) tert-butylbenzene	11.76	119	790161	18.503	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	800461	18.494	ug/l	98
81) sec-Butylbenzene	11.93	105	908489	18.546	ug/l	99
82) p-Isopropyltoluene	12.05	119	847058	18.346	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	446909	18.609	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	461616	19.261	ug/l	98
85) n-Butylbenzene	12.37	91	742446	18.041	ug/l	100
86) Hexachloroethane	12.58	117	133433	14.953	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	439694	18.766	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	69429	16.346	ug/l	93
89) 1,2,4-Trichlorobenzene	13.63	180	336410	17.824	ug/l	98
90) Hexachlorobutadiene	13.76	225	135778	13.656	ug/l	99
91) Naphthalene	13.82	128	1005837	18.404	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	336393	17.941	ug/l	98

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

