

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020720\
 Data File : VX014867.D
 Acq On : 07 Feb 2020 13:41
 Operator : JC/SP
 Sample : VX0207WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0207WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 10:49:31 AM

Quant Time: Feb 07 22:36:45 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	70421	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	386661	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	351121	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	151127	30.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.77%
60) 4-Bromofluorobenzene	11.13	95	171001	30.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.43%
63) Toluene-d8	8.71	98	470320	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	99494	20.444	ug/l 99
3) Chloromethane	1.32	50	102833	19.299	ug/l 95
4) Vinyl Chloride	1.40	62	114186	19.086	ug/l 98
5) Bromomethane	1.64	94	72023	19.292	ug/l 99
6) Chloroethane	1.72	64	64765	19.203	ug/l 96
7) Trichlorofluoromethane	1.93	101	137664	20.781	ug/l 98
8) Diethyl Ether	2.18	74	59565	20.586	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	80238	20.703	ug/l 97
10) 1,1-Dichloroethene	2.37	96	79793	20.468	ug/l 96
11) Methyl Iodide	2.50	142	79061	15.122	ug/l 97
12) Methyl Acetate	2.76	43	146053	20.739	ug/l 99
13) Acrolein	2.28	56	73930	99.945	ug/l 99
14) Acrylonitrile	3.13	53	237907	98.730	ug/l 99
15) Acetone	2.43	58	68546	84.852	ug/l 83
16) Carbon Disulfide	2.56	76	194773	18.192	ug/l 96
17) Allyl chloride	2.72	41	134322	18.618	ug/l 88
18) Methylene Chloride	2.85	84	91536	20.063	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	84763	20.198	ug/l 99
20) Diisopropyl ether	3.84	45	278841	19.535	ug/l 97
21) 1,1-Dichloroethane	3.69	63	155653	20.072	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	98240	20.372	ug/l 98
23) tert-Butyl Alcohol	3.02	59	104514	104.876	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	274395	21.150	ug/l 99
25) Chloroform	5.20	83	152627	20.318	ug/l 98
26) Cyclohexane	5.58	56	134341	18.781	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	115279	20.329	ug/l 99
30) 2-Butanone	4.65	43	339369	94.475	ug/l 98
31) 2,2-Dichloropropane	4.58	77	131468	21.667	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	134615	21.457	ug/l 98
33) Carbon Tetrachloride	5.78	117	115190	21.387	ug/l 98
34) Benzene	6.14	78	349702	19.957	ug/l 98
35) Methacrylonitrile	5.03	41	71568	19.949	ug/l 97
36) 1,2-Dichloroethane	6.19	62	126842	20.800	ug/l 97
37) Trichloroethene	7.20	130	100895	21.029	ug/l 96
38) Methylcyclohexane	7.46	83	142453	20.176	ug/l 95
39) 1,2-Dichloropropane	7.51	63	87083	19.111	ug/l 98
40) Dibromomethane	7.65	93	60516	20.665	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	118190	20.610	ug/l	99
42) Vinyl Acetate	3.80	43	1110801	100.327	ug/l	100
43) Ethyl Acetate	4.81	43	127522	19.610	ug/l	98
44) Isopropyl Acetate	6.43	43	209703	19.990	ug/l	100
45) 1,4-Dioxane	7.73	88	44936	428.232	ug/l	99
46) Methyl methacrylate	7.76	41	103819	20.125	ug/l	95
47) n-amyl Acetate	10.89	43	176334	20.061	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	132468	21.158	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	142400	20.185	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	92589	20.778	ug/l	98
51) Ethyl methacrylate	9.17	69	139839	20.155	ug/l	96
52) 1,3-Dichloropropane	9.37	76	154775	20.501	ug/l	99
53) Dibromochloromethane	9.57	129	98722	21.660	ug/l	96
54) 1,2-Dibromoethane	9.67	107	99190	21.463	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	288302	90.416	ug/l	98
56) Bromoform	10.85	173	74244	21.148	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	672399	101.691	ug/l	99
59) 2-Hexanone	9.48	43	516804	101.061	ug/l	99
61) Tetrachloroethene	9.33	164	102550	19.760	ug/l	97
62) Toluene	8.78	91	386043	20.723	ug/l	99
64) Chlorobenzene	10.14	112	246708	21.215	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	91307	21.259	ug/l	98
66) Ethyl Benzene	10.25	91	427120	21.050	ug/l	98
67) m/p-Xylenes	10.36	106	326921	42.063	ug/l	99
68) o-Xylene	10.70	106	155840	20.591	ug/l	98
69) Styrene	10.71	104	266555	20.787	ug/l	99
70) Isopropylbenzene	11.01	105	417960	21.080	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	137201	20.543	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	116077m	20.318	ug/l	
73) Bromobenzene	11.25	156	114467	21.779	ug/l	95
74) n-propylbenzene	11.35	91	480512	21.209	ug/l	98
75) 2-Chlorotoluene	11.42	91	281820	20.755	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	349436	21.151	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	43991	20.007	ug/l	94
78) 4-Chlorotoluene	11.51	91	324056	21.014	ug/l	98
79) tert-butylbenzene	11.76	119	337092	21.806	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	353207	21.435	ug/l	100
81) sec-Butylbenzene	11.94	105	407614	21.309	ug/l	99
82) p-Isopropyltoluene	12.06	119	374024	21.418	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	197272	21.496	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	199639	21.942	ug/l	99
85) n-Butylbenzene	12.39	91	321884	21.067	ug/l	100
86) Hexachloroethane	12.59	117	64020	20.444	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	198430	21.429	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	31636	22.175	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	141585	23.165	ug/l	98
90) Hexachlorobutadiene	13.78	225	68278	22.357	ug/l	98
91) Naphthalene	13.83	128	415698	22.531	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	141410	22.730	ug/l	99

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

