

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018485.D
 Acq On : 18 Sep 2020 12:13
 Operator : JC/SP
 Sample : VX0918WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:50:44 AM

Quant Time: Sep 21 01:25:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	78964	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.83	114	402227	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	389912	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	190466	30.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.90%
60) 4-Bromofluorobenzene	11.12	95	202667	29.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.97%
63) Toluene-d8	8.70	98	503602	29.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	77810	18.622	ug/l 91
3) Chloromethane	1.31	50	83064	18.715	ug/l 99
4) Vinyl Chloride	1.39	62	85359	18.265	ug/l 98
5) Bromomethane	1.64	94	64854	20.396	ug/l 94
6) Chloroethane	1.72	64	53358	18.785	ug/l 99
7) Trichlorofluoromethane	1.92	101	153025	19.321	ug/l 97
8) Diethyl Ether	2.17	74	47686	19.098	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	76210	18.833	ug/l 94
10) 1,1-Dichloroethene	2.36	96	74985	18.877	ug/l 98
11) Methyl Iodide	2.49	142	79586	20.785	ug/l 98
12) Methyl Acetate	2.75	43	103972	19.884	ug/l 98
13) Acrolein	2.27	56	41857	99.190	ug/l 96
14) Acrylonitrile	3.12	53	219176	92.508	ug/l 97
15) Acetone	2.42	58	59244	91.969	ug/l 78
16) Carbon Disulfide	2.55	76	217897	18.839	ug/l 98
17) Allyl chloride	2.71	41	133199	18.761	ug/l 96
18) Methylene Chloride	2.84	84	89790	19.260	ug/l 96
19) trans-1,2-Dichloroethene	3.14	96	85255	19.331	ug/l 98
20) Diisopropyl ether	3.82	45	275262	19.584	ug/l 95
21) 1,1-Dichloroethane	3.67	63	154126	19.104	ug/l 98
22) cis-1,2-Dichloroethene	4.57	96	95199	19.509	ug/l 98
23) tert-Butyl Alcohol	3.00	59	93796	91.356	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	274655	19.449	ug/l 99
25) Chloroform	5.17	83	167146	19.413	ug/l 98
26) Cyclohexane	5.55	56	119171	18.301	ug/l # 44
29) 1,1-Dichloropropene	5.77	75	121108	19.725	ug/l 99
30) 2-Butanone	4.63	43	316870	94.255	ug/l 99
31) 2,2-Dichloropropane	4.55	77	149395	20.144	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	156364	19.456	ug/l 98
33) Carbon Tetrachloride	5.76	117	145506	19.430	ug/l 99
34) Benzene	6.11	78	337342	19.248	ug/l # 96
35) Methacrylonitrile	4.99	41	66381m	18.736	ug/l
36) 1,2-Dichloroethane	6.16	62	143328	19.760	ug/l # 100
37) Trichloroethene	7.19	130	98232	19.383	ug/l 95
38) Methylcyclohexane	7.44	83	126926	19.407	ug/l 98
39) 1,2-Dichloropropane	7.49	63	88386	18.829	ug/l 99
40) Dibromomethane	7.64	93	66440	19.600	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	133092	18.944	ug/l	98
42) Vinyl Acetate	3.79	43	1217077	97.035	ug/l	100
43) Ethyl Acetate	4.79	43	126912	18.985	ug/l	99
44) Isopropyl Acetate	6.41	43	196957	18.282	ug/l	97
45) 1,4-Dioxane	7.71	88	33630	373.658	ug/l #	91
46) Methyl methacrylate	7.74	41	98905	18.654	ug/l	97
47) n-amyl Acetate	10.88	43	169555	17.911	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	146332	19.390	ug/l	96
49) cis-1,3-Dichloropropene	8.42	75	152748	19.267	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	89325	18.911	ug/l	93
51) Ethyl methacrylate	9.16	69	126526	18.491	ug/l	99
52) 1,3-Dichloropropane	9.35	76	147736	18.843	ug/l	98
53) Dibromochloromethane	9.57	129	111780	19.032	ug/l	99
54) 1,2-Dibromoethane	9.65	107	98022	18.917	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	327857	91.755	ug/l	99
56) Bromoform	10.84	173	83501	18.712	ug/l	96
58) 4-Methyl-2-Pentanone	8.62	43	635780	94.802	ug/l	99
59) 2-Hexanone	9.47	43	470697	92.663	ug/l	100
61) Tetrachloroethene	9.32	164	93825	19.294	ug/l	90
62) Toluene	8.76	91	376091	19.166	ug/l	99
64) Chlorobenzene	10.12	112	238165	18.887	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	96634	18.922	ug/l	99
66) Ethyl Benzene	10.24	91	409422	18.883	ug/l	97
67) m/p-Xylenes	10.34	106	321178	38.734	ug/l	98
68) o-Xylene	10.68	106	148111	18.904	ug/l	99
69) Styrene	10.70	104	259856	19.010	ug/l	98
70) Isopropylbenzene	11.00	105	410825	18.855	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	133284	18.719	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	128533m	18.789	ug/l	
73) Bromobenzene	11.24	156	109772	18.390	ug/l	99
74) n-propylbenzene	11.34	91	482407	18.803	ug/l	99
75) 2-Chlorotoluene	11.40	91	291384	18.739	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	357091	18.812	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	46817	17.611	ug/l	98
78) 4-Chlorotoluene	11.49	91	344758	18.586	ug/l	99
79) tert-butylbenzene	11.76	119	343471	18.784	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	358703	19.107	ug/l	99
81) sec-Butylbenzene	11.93	105	399004	18.682	ug/l	99
82) p-Isopropyltoluene	12.05	119	378661	19.015	ug/l	98
83) 1,3-Dichlorobenzene	12.01	146	198761	18.623	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	200600	18.798	ug/l	99
85) n-Butylbenzene	12.37	91	333090	18.999	ug/l	97
86) Hexachloroethane	12.58	117	71733	18.296	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	186850	18.696	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	31498	17.292	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	125337	18.537	ug/l	98
90) Hexachlorobutadiene	13.77	225	52735	18.439	ug/l	89
91) Naphthalene	13.82	128	377381	17.884	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	121835	18.214	ug/l	99

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

