

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018354.D
 Acq On : 11 Sep 2020 12:09
 Operator : JC/SP
 Sample : VX0911WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0911WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:09:47 PM

Quant Time: Sep 12 06:24:16 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	4.98	128	76778	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	405424	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	387569	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	189520	31.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.30%
60) 4-Bromofluorobenzene	11.12	95	199166	29.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.83%
63) Toluene-d8	8.70	98	502563	29.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	80741	19.874	ug/l 97
3) Chloromethane	1.31	50	81654	18.921	ug/l 100
4) Vinyl Chloride	1.39	62	87974	19.360	ug/l 100
5) Bromomethane	1.64	94	63346	20.489	ug/l 100
6) Chloroethane	1.72	64	53988	19.548	ug/l 99
7) Trichlorofluoromethane	1.92	101	154454	20.057	ug/l 98
8) Diethyl Ether	2.17	74	47327	19.494	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	79713	20.260	ug/l 99
10) 1,1-Dichloroethene	2.36	96	76190	19.727	ug/l 92
11) Methyl Iodide	2.49	142	73548	20.129	ug/l 98
12) Methyl Acetate	2.75	43	100087	19.686	ug/l 100
13) Acrolein	2.27	56	46951	114.429	ug/l 96
14) Acrylonitrile	3.11	53	222809	96.719	ug/l 99
15) Acetone	2.42	58	61710	98.525	ug/l 85
16) Carbon Disulfide	2.55	76	215910	19.199	ug/l 99
17) Allyl chloride	2.71	41	135447	19.621	ug/l 99
18) Methylene Chloride	2.84	84	89799	19.810	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	83540	19.482	ug/l 98
20) Diisopropyl ether	3.82	45	275827	20.183	ug/l 97
21) 1,1-Dichloroethane	3.67	63	156373	19.935	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	95456	20.119	ug/l 98
23) tert-Butyl Alcohol	3.01	59	97257	97.424	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	266338	19.397	ug/l 99
25) Chloroform	5.17	83	163756	19.561	ug/l 97
26) Cyclohexane	5.55	56	127464	20.132	ug/l # 51
29) 1,1-Dichloropropene	5.76	75	115537	18.669	ug/l 99
30) 2-Butanone	4.63	43	319266	94.218	ug/l 100
31) 2,2-Dichloropropane	4.55	77	146252	19.565	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	159164	19.649	ug/l 100
33) Carbon Tetrachloride	5.76	117	145442	19.268	ug/l 98
34) Benzene	6.12	78	340398	19.269	ug/l 97
35) Methacrylonitrile	4.99	41	65661	18.387	ug/l 88
36) 1,2-Dichloroethane	6.16	62	140338	19.195	ug/l # 100
37) Trichloroethene	7.18	130	98028	19.190	ug/l 94
38) Methylcyclohexane	7.44	83	126934	19.256	ug/l 98
39) 1,2-Dichloropropane	7.49	63	90706	19.171	ug/l 99
40) Dibromomethane	7.64	93	63483	18.580	ug/l 96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	134634	19.012	ug/l	95
42) Vinyl Acetate	3.78	43	1201405	95.030	ug/l	99
43) Ethyl Acetate	4.79	43	122743	18.216	ug/l	98
44) Isopropyl Acetate	6.41	43	200681	18.481	ug/l	97
45) 1,4-Dioxane	7.71	88	34860	384.270	ug/l #	89
46) Methyl methacrylate	7.74	41	96870	18.126	ug/l	93
47) n-amyl Acetate	10.88	43	173366	18.169	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	146057	19.201	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	151228	18.925	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	89768	18.854	ug/l	93
51) Ethyl methacrylate	9.16	69	127593	18.500	ug/l	95
52) 1,3-Dichloropropane	9.35	76	148290	18.765	ug/l	98
53) Dibromochloromethane	9.56	129	110660	18.693	ug/l	99
54) 1,2-Dibromoethane	9.65	107	97677	18.701	ug/l	96
55) 2-Chloroethyl vinyl ether	8.29	63	338595	94.013	ug/l	98
56) Bromoform	10.84	173	82951	18.442	ug/l	96
58) 4-Methyl-2-Pentanone	8.62	43	629793	94.477	ug/l	100
59) 2-Hexanone	9.47	43	475644	94.202	ug/l	99
61) Tetrachloroethene	9.32	164	95090	19.672	ug/l	88
62) Toluene	8.76	91	369373	18.937	ug/l	98
64) Chlorobenzene	10.12	112	237737	18.967	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.20	131	98695	19.442	ug/l	95
66) Ethyl Benzene	10.23	91	406205	18.848	ug/l	94
67) m/p-Xylenes	10.34	106	314993	38.218	ug/l	99
68) o-Xylene	10.68	106	147635	18.957	ug/l	99
69) Styrene	10.70	104	255532	18.807	ug/l	99
70) Isopropylbenzene	11.00	105	406585	18.773	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	132645	18.742	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	130264m	19.157	ug/l	
73) Bromobenzene	11.24	156	114414	19.284	ug/l	97
74) n-propylbenzene	11.34	91	479700	18.811	ug/l	99
75) 2-Chlorotoluene	11.40	91	287442	18.597	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	358717	19.012	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	47708	18.054	ug/l	94
78) 4-Chlorotoluene	11.49	91	346676	18.802	ug/l	100
79) tert-butylbenzene	11.76	119	340111	18.713	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	365606	19.593	ug/l	100
81) sec-Butylbenzene	11.93	105	398441	18.769	ug/l	100
82) p-Isopropyltoluene	12.05	119	373312	18.860	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	202275	19.067	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	198726	18.735	ug/l	99
85) n-Butylbenzene	12.37	91	325603	18.684	ug/l	99
86) Hexachloroethane	12.58	117	72837	18.690	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	190628	19.190	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	32321	17.852	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	127405	18.957	ug/l	99
90) Hexachlorobutadiene	13.76	225	59849	21.053	ug/l	97
91) Naphthalene	13.82	128	384323	18.323	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	125089	18.814	ug/l	98

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

