

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062520\
 Data File : VX016955.D
 Acq On : 25 Jun 2020 15:51
 Operator : JC/SP
 Sample : VX0625WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0625WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 3:34:14 PM

Quant Time: Jun 26 09:14:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	37987	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	211953	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	193051	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	87058	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	11.12	95	93123	28.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.40%
63) Toluene-d8	8.70	98	256796	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	31325	16.958	ug/l 94
3) Chloromethane	1.32	50	43170	17.233	ug/l 98
4) Vinyl Chloride	1.39	62	47703	18.674	ug/l 98
5) Bromomethane	1.64	94	36176	19.668	ug/l 100
6) Chloroethane	1.72	64	30982	18.805	ug/l 99
7) Trichlorofluoromethane	1.92	101	76889	18.507	ug/l 96
8) Diethyl Ether	2.17	74	27666	18.301	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	40300	18.277	ug/l 98
10) 1,1-Dichloroethene	2.36	96	41628	19.142	ug/l 96
11) Methyl Iodide	2.49	142	48283	16.628	ug/l 96
12) Methyl Acetate	2.75	43	49004	17.864	ug/l 92
13) Acrolein	2.27	56	36478	84.276	ug/l 98
14) Acrylonitrile	3.11	53	116905	89.981	ug/l 98
15) Acetone	2.42	58	30564	90.904	ug/l 96
16) Carbon Disulfide	2.55	76	128245	18.759	ug/l 100
17) Allyl chloride	2.71	41	74134	18.210	ug/l 94
18) Methylene Chloride	2.83	84	49301	18.822	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	46973	19.064	ug/l 96
20) Diisopropyl ether	3.82	45	150261	18.469	ug/l 92
21) 1,1-Dichloroethane	3.67	63	83044	18.511	ug/l 97
22) cis-1,2-Dichloroethene	4.56	96	50147	18.280	ug/l 99
23) tert-Butyl Alcohol	3.00	59	50764	88.207	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	144339	18.589	ug/l 100
25) Chloroform	5.18	83	83626	18.386	ug/l 99
26) Cyclohexane	5.55	56	69480	17.754	ug/l # 95
29) 1,1-Dichloropropene	5.76	75	60534	17.532	ug/l 99
30) 2-Butanone	4.63	43	157084	87.281	ug/l 99
31) 2,2-Dichloropropane	4.55	77	72155	18.222	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	74238	17.769	ug/l 98
33) Carbon Tetrachloride	5.76	117	66009	17.815	ug/l 99
34) Benzene	6.11	78	182610	18.163	ug/l 98
35) Methacrylonitrile	4.99	41	34621	17.430	ug/l 93
36) 1,2-Dichloroethane	6.16	62	68785	17.864	ug/l 99
37) Trichloroethene	7.19	130	49858	18.174	ug/l 94
38) Methylcyclohexane	7.44	83	71722	18.240	ug/l 99
39) 1,2-Dichloropropane	7.49	63	48006	18.328	ug/l 94
40) Dibromomethane	7.63	93	32383	17.939	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	67006	17.925	ug/l	94
42) Vinyl Acetate	3.78	43	647421	89.267	ug/l	100
43) Ethyl Acetate	4.79	43	64459	17.291	ug/l	99
44) Isopropyl Acetate	6.41	43	106124	17.271	ug/l	99
45) 1,4-Dioxane	7.71	88	22944	370.115	ug/l	97
46) Methyl methacrylate	7.74	41	49004	17.233	ug/l	97
47) n-amyl Acetate	10.88	43	90778	16.713	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	74393	17.999	ug/l	95
49) cis-1,3-Dichloropropene	8.42	75	78563	18.087	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	45137	17.916	ug/l	97
51) Ethyl methacrylate	9.16	69	66255	17.136	ug/l	99
52) 1,3-Dichloropropane	9.35	76	78498	18.148	ug/l	98
53) Dibromochloromethane	9.57	129	49517	17.100	ug/l	98
54) 1,2-Dibromoethane	9.65	107	46745	17.485	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	192888	94.802	ug/l	100
56) Bromoform	10.84	173	34882	16.970	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	316613	89.035	ug/l	99
59) 2-Hexanone	9.47	43	234958	88.532	ug/l	99
61) Tetrachloroethene	9.32	164	46107	18.728	ug/l	96
62) Toluene	8.76	91	195448	18.510	ug/l	100
64) Chlorobenzene	10.12	112	122336	18.493	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	45086	18.104	ug/l	98
66) Ethyl Benzene	10.23	91	213049	18.195	ug/l	99
67) m/p-Xylenes	10.34	106	162647	36.822	ug/l	97
68) o-Xylene	10.68	106	75606	17.819	ug/l	100
69) Styrene	10.70	104	129143	17.776	ug/l	98
70) Isopropylbenzene	11.00	105	206445	17.939	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	62317	17.632	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	61574m	18.141	ug/l	
73) Bromobenzene	11.24	156	51545	17.747	ug/l	97
74) n-propylbenzene	11.34	91	243632	17.830	ug/l	99
75) 2-Chlorotoluene	11.40	91	143085	17.957	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	174997	18.116	ug/l	98
77) t-1,4-Dichloro-2-butene	11.05	75	22723	16.520	ug/l	91
78) 4-Chlorotoluene	11.49	91	166765	17.676	ug/l	100
79) tert-butylbenzene	11.76	119	167329	18.082	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	172885	17.827	ug/l	99
81) sec-Butylbenzene	11.93	105	201493	17.984	ug/l	98
82) p-Isopropyltoluene	12.05	119	179957	17.789	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	94077	18.075	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	95591	18.279	ug/l	98
85) n-Butylbenzene	12.37	91	163501	17.461	ug/l	99
86) Hexachloroethane	12.58	117	35886	18.126	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	89895	18.452	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	13737	17.083	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	57872	17.607	ug/l	98
90) Hexachlorobutadiene	13.77	225	22361	17.884	ug/l	97
91) Naphthalene	13.82	128	187576	17.411	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	54536	17.002	ug/l	96

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

