

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062520\
 Data File : VX016956.D
 Acq On : 25 Jun 2020 16:13
 Operator : JC/SP
 Sample : VX0625WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0625WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 3:34:18 PM

Quant Time: Jun 26 09:16:35 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	38075	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	210031	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	192154	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	88367	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	11.12	95	93351	29.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.10%
63) Toluene-d8	8.70	98	258993	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	32619	17.618	ug/l 95
3) Chloromethane	1.31	50	47350	18.858	ug/l 99
4) Vinyl Chloride	1.39	62	47817	18.675	ug/l 98
5) Bromomethane	1.63	94	36607	19.856	ug/l 95
6) Chloroethane	1.72	64	31327	18.970	ug/l 99
7) Trichlorofluoromethane	1.92	101	78577	18.870	ug/l 98
8) Diethyl Ether	2.17	74	28903	19.075	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	42266	19.125	ug/l 97
10) 1,1-Dichloroethene	2.36	96	40632	18.641	ug/l 99
11) Methyl Iodide	2.50	142	51110	17.561	ug/l 98
12) Methyl Acetate	2.75	43	51288	18.654	ug/l 93
13) Acrolein	2.28	56	38324	88.336	ug/l 98
14) Acrylonitrile	3.11	53	122254	93.881	ug/l 99
15) Acetone	2.42	58	31816	94.409	ug/l 99
16) Carbon Disulfide	2.55	76	128326	18.728	ug/l 100
17) Allyl chloride	2.71	41	76125	18.656	ug/l 95
18) Methylene Chloride	2.84	84	50106	19.085	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	47170	19.100	ug/l 96
20) Diisopropyl ether	3.83	45	151477	18.576	ug/l # 86
21) 1,1-Dichloroethane	3.67	63	84729	18.843	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	51863	18.862	ug/l 97
23) tert-Butyl Alcohol	3.01	59	53072	92.004	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	147125	18.904	ug/l 99
25) Chloroform	5.18	83	86395	18.950	ug/l 99
26) Cyclohexane	5.55	56	72499	18.483	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	63097	18.441	ug/l 100
30) 2-Butanone	4.64	43	166196	93.189	ug/l 99
31) 2,2-Dichloropropane	4.55	77	73234	18.663	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	77866	18.808	ug/l 98
33) Carbon Tetrachloride	5.76	117	67978	18.515	ug/l 98
34) Benzene	6.11	78	187404	18.811	ug/l 99
35) Methacrylonitrile	5.01	41	36920	18.758	ug/l 96
36) 1,2-Dichloroethane	6.17	62	68388	17.924	ug/l 99
37) Trichloroethene	7.19	130	51332	18.883	ug/l 93
38) Methylcyclohexane	7.45	83	71411	18.327	ug/l 99
39) 1,2-Dichloropropane	7.49	63	48589	18.720	ug/l 99
40) Dibromomethane	7.63	93	33941	18.974	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.88	83	67966	18.348	ug/l #	92
42) Vinyl Acetate	3.79	43	669284	93.126	ug/l	99
43) Ethyl Acetate	4.79	43	66342	17.959	ug/l #	81
44) Isopropyl Acetate	6.42	43	111207	18.263	ug/l	99
45) 1,4-Dioxane	7.71	88	23194	377.571	ug/l	98
46) Methyl methacrylate	7.74	41	51465	18.264	ug/l	98
47) n-amyl Acetate	10.88	43	93373	17.348	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	73707	17.996	ug/l	95
49) cis-1,3-Dichloropropene	8.42	75	80345	18.666	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	46252	18.527	ug/l	96
51) Ethyl methacrylate	9.16	69	70079	18.291	ug/l	98
52) 1,3-Dichloropropane	9.35	76	80538	18.790	ug/l	100
53) Dibromochloromethane	9.56	129	52074	18.148	ug/l	99
54) 1,2-Dibromoethane	9.65	107	48716	18.389	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	191981	95.220	ug/l	99
56) Bromoform	10.84	173	35730	17.541	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	331442	93.640	ug/l	99
59) 2-Hexanone	9.47	43	244285	92.476	ug/l	99
61) Tetrachloroethene	9.32	164	47265	19.288	ug/l	92
62) Toluene	8.76	91	198591	18.896	ug/l	99
64) Chlorobenzene	10.12	112	122757	18.644	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	46127	18.609	ug/l	98
66) Ethyl Benzene	10.24	91	217005	18.619	ug/l	99
67) m/p-Xylenes	10.34	106	167096	38.005	ug/l	94
68) o-Xylene	10.68	106	77044	18.242	ug/l	99
69) Styrene	10.70	104	132642	18.343	ug/l	98
70) Isopropylbenzene	11.00	105	210043	18.337	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	65983	18.756	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	64153m	18.989	ug/l	
73) Bromobenzene	11.24	156	52818	18.270	ug/l	96
74) n-propylbenzene	11.34	91	244097	17.947	ug/l	99
75) 2-Chlorotoluene	11.40	91	147268	18.568	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	173896	18.086	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	23480	17.150	ug/l	90
78) 4-Chlorotoluene	11.49	91	169557	18.056	ug/l	100
79) tert-butylbenzene	11.76	119	167297	18.163	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	177558	18.394	ug/l	100
81) sec-Butylbenzene	11.93	105	200794	18.005	ug/l	99
82) p-Isopropyltoluene	12.05	119	183551	18.229	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	95256	18.387	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	96176	18.477	ug/l	100
85) n-Butylbenzene	12.37	91	163640	17.557	ug/l	100
86) Hexachloroethane	12.58	117	35978	18.258	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	91299	18.828	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	14463	18.070	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	57208	17.487	ug/l	97
90) Hexachlorobutadiene	13.77	225	21871	17.574	ug/l	97
91) Naphthalene	13.82	128	197464	18.414	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	57283	17.942	ug/l	96

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

