

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062520\
 Data File : VX016950.D
 Acq On : 25 Jun 2020 13:27
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 3:33:48 PM

Quant Time: Jun 26 08:59:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 08:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	39773	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	214000	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	199702	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	91077	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	11.12	95	100039	30.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.13%
63) Toluene-d8	8.70	98	264396	30.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	90816	46.956	ug/l 95
3) Chloromethane	1.31	50	127206	48.500	ug/l 99
4) Vinyl Chloride	1.39	62	128863	48.179	ug/l 98
5) Bromomethane	1.62	94	95808	49.749	ug/l 98
6) Chloroethane	1.71	64	83566	48.443	ug/l 99
7) Trichlorofluoromethane	1.92	101	212144	48.771	ug/l 99
8) Diethyl Ether	2.17	74	76295	48.204	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	113600	49.207	ug/l 98
10) 1,1-Dichloroethene	2.36	96	110619	48.583	ug/l 93
11) Methyl Iodide	2.49	142	149662	49.228	ug/l 99
12) Methyl Acetate	2.75	43	136911	47.670	ug/l 97
13) Acrolein	2.27	56	106358	234.686	ug/l 100
14) Acrylonitrile	3.12	53	327294	240.605	ug/l 99
15) Acetone	2.42	58	84546	240.168	ug/l 95
16) Carbon Disulfide	2.55	76	346229	48.371	ug/l 99
17) Allyl chloride	2.71	41	209246	49.091	ug/l 95
18) Methylene Chloride	2.84	84	131692	48.020	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	125421	48.617	ug/l 99
20) Diisopropyl ether	3.82	45	414710	48.685	ug/l 95
21) 1,1-Dichloroethane	3.67	63	227570	48.449	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	140209	48.815	ug/l 99
23) tert-Butyl Alcohol	3.01	59	143626	900.759	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	397027	48.835	ug/l 99
25) Chloroform	5.18	83	231190	48.546	ug/l 99
26) Cyclohexane	5.55	56	201034	49.064	ug/l # 96
29) 1,1-Dichloropropene	5.77	75	176364	50.590	ug/l 98
30) 2-Butanone	4.64	43	449085	247.140	ug/l 99
31) 2,2-Dichloropropane	4.55	77	197971	49.516	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	208755	49.488	ug/l 99
33) Carbon Tetrachloride	5.76	117	187336	50.077	ug/l 97
34) Benzene	6.11	78	505102	49.760	ug/l 100
35) Methacrylonitrile	5.00	41	99582	49.656	ug/l 98
36) 1,2-Dichloroethane	6.16	62	192117	49.417	ug/l 98
37) Trichloroethene	7.19	130	135814	49.033	ug/l 93
38) Methylcyclohexane	7.44	83	204907	51.613	ug/l 99
39) 1,2-Dichloropropane	7.49	63	132513	50.108	ug/l 94
40) Dibromomethane	7.63	93	91063	49.962	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	189229	50.138	ug/l	95
42) Vinyl Acetate	3.78	43	1842147	251.568	ug/l	100
43) Ethyl Acetate	4.79	43	183033	48.751	ug/l	99
44) Isopropyl Acetate	6.41	43	308185	49.674	ug/l	100
45) 1,4-Dioxane	7.71	88	63671	1017.266	ug/l	98
46) Methyl methacrylate	7.74	41	146321	50.963	ug/l	99
47) n-amyl Acetate	10.88	43	278194	50.729	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	211301	50.634	ug/l	94
49) cis-1,3-Dichloropropene	8.42	75	220937	50.377	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	127537	50.138	ug/l	98
51) Ethyl methacrylate	9.16	69	197784	50.665	ug/l	98
52) 1,3-Dichloropropane	9.35	76	219708	50.309	ug/l	97
53) Dibromochloromethane	9.57	129	147901	50.587	ug/l	99
54) 1,2-Dibromoethane	9.65	107	134156	49.702	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	531302	258.630	ug/l	100
56) Bromoform	10.84	173	104794	50.494	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	908317	246.922	ug/l	100
59) 2-Hexanone	9.47	43	677674	246.843	ug/l	99
61) Tetrachloroethene	9.32	164	126305	49.594	ug/l	97
62) Toluene	8.76	91	545413	49.934	ug/l	100
64) Chlorobenzene	10.12	112	343526	50.201	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	128675	49.949	ug/l	99
66) Ethyl Benzene	10.23	91	619192	51.119	ug/l	98
67) m/p-Xylenes	10.34	106	466184	102.024	ug/l	99
68) o-Xylene	10.68	106	221009	50.352	ug/l	100
69) Styrene	10.70	104	381864	50.811	ug/l	98
70) Isopropylbenzene	11.00	105	600022	50.401	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	182345	49.873	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	177353m	50.512	ug/l	
73) Bromobenzene	11.24	156	148880	49.552	ug/l	97
74) n-propylbenzene	11.34	91	717442	50.756	ug/l	99
75) 2-Chlorotoluene	11.40	91	415094	50.359	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	507600	50.797	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	70210	49.343	ug/l	94
78) 4-Chlorotoluene	11.49	91	494620	50.681	ug/l	98
79) tert-butylbenzene	11.76	119	489996	51.187	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	512210	51.057	ug/l	100
81) sec-Butylbenzene	11.93	105	595812	51.407	ug/l	99
82) p-Isopropyltoluene	12.05	119	541552	51.750	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	274126	50.913	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	271990	50.277	ug/l	99
85) n-Butylbenzene	12.37	91	502784	51.906	ug/l	99
86) Hexachloroethane	12.58	117	104327	50.941	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	251315	49.868	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	40722	48.955	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	169397	49.822	ug/l	97
90) Hexachlorobutadiene	13.77	225	64595	49.942	ug/l	98
91) Naphthalene	13.82	128	573269	51.439	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	166748	50.255	ug/l	97

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

