

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017609.D
 Acq On : 27 Jul 2020 10:08
 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
 7/28/2020 10:31:41 AM

Quant Time: Jul 27 11:41:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:26:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	101426	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	534770	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	540190	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	229278	31.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.33%
60) 4-Bromofluorobenzene	11.12	95	274219	29.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.87%
63) Toluene-d8	8.70	98	696774	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	440210	84.299 ug/l	97
3) Chloromethane	1.32	50	395568	73.277 ug/l	100
4) Vinyl Chloride	1.39	62	392232	70.564 ug/l	98
5) Bromomethane	1.62	94	241397	66.762 ug/l	98
6) Chloroethane	1.71	64	217350	62.155 ug/l	99
7) Trichlorofluoromethane	1.92	101	595165	63.574 ug/l	99
8) Diethyl Ether	2.17	74	165763	52.807 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	258661	53.118 ug/l	99
10) 1,1-Dichloroethene	2.36	96	232984	48.890 ug/l	98
11) Methyl Iodide	2.49	142	331478	57.760 ug/l	95
12) Methyl Acetate	2.75	43	370119	54.771 ug/l	99
13) Acrolein	2.27	56	264837	301.515 ug/l	98
14) Acrylonitrile	3.12	53	801993	267.893 ug/l	99
15) Acetone	2.42	58	216182	279.372 ug/l	98
16) Carbon Disulfide	2.55	76	660696	51.606 ug/l	100
17) Allyl chloride	2.71	41	456903	51.212 ug/l	98
18) Methylene Chloride	2.84	84	281782	48.287 ug/l	99
19) trans-1,2-Dichloroethene	3.14	96	261689	48.088 ug/l	92
20) Diisopropyl ether	3.82	45	929734	52.411 ug/l #	87
21) 1,1-Dichloroethane	3.67	63	504911	51.323 ug/l	98
22) cis-1,2-Dichloroethene	4.57	96	296696	47.246 ug/l	100
23) tert-Butyl Alcohol	3.01	59	365869	285.809 ug/l #	100
24) Methyl tert-Butyl Ether	3.17	73	996505	54.240 ug/l	99
25) Chloroform	5.18	83	542822	50.977 ug/l	97
26) Cyclohexane	5.55	56	444930	56.529 ug/l #	99
29) 1,1-Dichloropropene	5.77	75	351159	46.246 ug/l	99
30) 2-Butanone	4.64	43	1065181	255.344 ug/l	100
31) 2,2-Dichloropropane	4.56	77	473726	49.219 ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	493831	49.670 ug/l	98
33) Carbon Tetrachloride	5.76	117	449005	48.654 ug/l	96
34) Benzene	6.12	78	1061080	47.896 ug/l	96
35) Methacrylonitrile	5.01	41	240047	51.080 ug/l	97
36) 1,2-Dichloroethane	6.17	62	454950	51.218 ug/l	99
37) Trichloroethene	7.19	130	320685	46.935 ug/l	99
38) Methylcyclohexane	7.44	83	529790	64.992 ug/l	98
39) 1,2-Dichloropropane	7.49	63	315204	53.397 ug/l	98
40) Dibromomethane	7.64	93	220005	51.678 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	489692	54.628	ug/l	96
42) Vinyl Acetate	3.79	43	3510281	227.316	ug/l	100
43) Ethyl Acetate	4.79	43	382533	47.645	ug/l	99
44) Isopropyl Acetate	6.42	43	651865	48.316	ug/l	99
45) 1,4-Dioxane	7.71	88	156572	1182.986	ug/l	97
46) Methyl methacrylate	7.75	41	372835	56.836	ug/l	94
47) n-amyl Acetate	10.88	43	688958	57.796	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	543486	54.566	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	558128	53.497	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	333972	53.411	ug/l	97
51) Ethyl methacrylate	9.16	69	501558	54.301	ug/l	99
52) 1,3-Dichloropropane	9.35	76	534786	52.872	ug/l	99
53) Dibromochloromethane	9.57	129	418599	55.239	ug/l	98
54) 1,2-Dibromoethane	9.65	107	351534	52.791	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	1256550	289.486	ug/l	99
56) Bromoform	10.84	173	328513	54.958	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	2352398	256.054	ug/l	100
59) 2-Hexanone	9.48	43	1801932	268.388	ug/l	99
61) Tetrachloroethene	9.32	164	363681	50.674	ug/l	97
62) Toluene	8.77	91	1303859	48.320	ug/l	99
64) Chlorobenzene	10.12	112	895065	51.210	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.20	131	373903	51.641	ug/l	98
66) Ethyl Benzene	10.24	91	1546708	52.129	ug/l	97
67) m/p-Xylenes	10.34	106	1170751	102.840	ug/l	99
68) o-Xylene	10.68	106	576296	52.613	ug/l	99
69) Styrene	10.70	104	1007078	52.024	ug/l	100
70) Isopropylbenzene	11.00	105	1591388	51.734	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	460848	49.264	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	461907m	50.070	ug/l	
73) Bromobenzene	11.24	156	424854	49.705	ug/l	100
74) n-propylbenzene	11.34	91	1837233	52.348	ug/l	100
75) 2-Chlorotoluene	11.40	91	1100545	51.801	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1376523	53.360	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	184009	50.674	ug/l	97
78) 4-Chlorotoluene	11.49	91	1310479	52.161	ug/l	99
79) tert-butylbenzene	11.76	119	1343989	53.611	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	1378011	53.091	ug/l	99
81) sec-Butylbenzene	11.93	105	1597445	55.156	ug/l	99
82) p-Isopropyltoluene	12.05	119	1518287	55.085	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	765798	50.687	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	766999	50.081	ug/l	99
85) n-Butylbenzene	12.37	91	1340228	55.886	ug/l	99
86) Hexachloroethane	12.58	117	284629	52.743	ug/l	93
87) 1,2-Dichlorobenzene	12.38	146	731846	49.842	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	125214	54.127	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	537836	51.547	ug/l	98
90) Hexachlorobutadiene	13.77	225	240730	56.535	ug/l	97
91) Naphthalene	13.82	128	1597280	50.261	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	502641	48.993	ug/l	99

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

