

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017619.D
 Acq On : 27 Jul 2020 15:36
 Operator : JC/SP
 Sample : VX0727WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0727WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 10:31:13 AM

Quant Time: Jul 28 01:21:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:38:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	105279	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	549633	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	527404	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	242136	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	11.12	95	265955	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	8.70	98	672197	28.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	171788	21.245	ug/l 98
3) Chloromethane	1.32	50	152246	19.464	ug/l 98
4) Vinyl Chloride	1.39	62	141539	18.181	ug/l 95
5) Bromomethane	1.64	94	92800	19.302	ug/l 98
6) Chloroethane	1.72	64	78721	17.944	ug/l 96
7) Trichlorofluoromethane	1.92	101	211115	17.514	ug/l 100
8) Diethyl Ether	2.17	74	61178	17.604	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	96261	17.639	ug/l 98
10) 1,1-Dichloroethene	2.36	96	86307	17.042	ug/l 97
11) Methyl Iodide	2.50	142	99395	15.591	ug/l 99
12) Methyl Acetate	2.75	43	141496	18.371	ug/l 96
13) Acrolein	2.27	56	83308	72.998	ug/l 95
14) Acrylonitrile	3.12	53	305718	94.939	ug/l 100
15) Acetone	2.42	58	81772	92.964	ug/l 92
16) Carbon Disulfide	2.55	76	237119	17.660	ug/l 99
17) Allyl chloride	2.71	41	164790	17.116	ug/l 97
18) Methylene Chloride	2.84	84	105775	17.800	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	94288	17.423	ug/l 98
20) Diisopropyl ether	3.82	45	365200	18.942	ug/l # 85
21) 1,1-Dichloroethane	3.67	63	188908	18.307	ug/l 100
22) cis-1,2-Dichloroethene	4.57	96	115838	18.116	ug/l 98
23) tert-Butyl Alcohol	3.01	59	135758	89.941	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	362720	17.997	ug/l 99
25) Chloroform	5.18	83	209314	18.262	ug/l 97
26) Cyclohexane	5.55	56	174374	18.999	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	137198	17.557	ug/l 99
30) 2-Butanone	4.64	43	435704	98.490	ug/l 100
31) 2,2-Dichloropropane	4.56	77	170828	16.955	ug/l # 78
32) 1,1,1-Trichloroethane	5.46	97	186651	17.669	ug/l 98
33) Carbon Tetrachloride	5.76	117	170883	17.501	ug/l 95
34) Benzene	6.12	78	403752	18.274	ug/l 98
35) Methacrylonitrile	5.01	41	91372	18.562	ug/l 94
36) 1,2-Dichloroethane	6.17	62	170391	18.148	ug/l 98
37) Trichloroethene	7.19	130	124469	18.353	ug/l 90
38) Methylcyclohexane	7.45	83	175357	17.732	ug/l 99
39) 1,2-Dichloropropane	7.49	63	116670	18.912	ug/l 99
40) Dibromomethane	7.63	93	80079	18.285	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	170660	17.596	ug/l	96
42) Vinyl Acetate	3.79	43	1340981	91.777	ug/l	100
43) Ethyl Acetate	4.80	43	154565	18.966	ug/l	99
44) Isopropyl Acetate	6.42	43	258436	18.261	ug/l	98
45) 1,4-Dioxane	7.71	88	56157	382.453	ug/l	97
46) Methyl methacrylate	7.74	41	133202	18.528	ug/l	97
47) n-amyl Acetate	10.88	43	230858	18.728	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	189798	17.965	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	198096	17.526	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	119880	19.106	ug/l	99
51) Ethyl methacrylate	9.16	69	179224	18.944	ug/l	99
52) 1,3-Dichloropropane	9.35	76	194533	19.018	ug/l	99
53) Dibromochloromethane	9.57	129	146016	18.324	ug/l	99
54) 1,2-Dibromoethane	9.65	107	128756	18.868	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	472464	93.474	ug/l	100
56) Bromoform	10.84	173	112489	18.495	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	864632	91.854	ug/l	99
59) 2-Hexanone	9.47	43	645785	97.482	ug/l	98
61) Tetrachloroethene	9.32	164	131225	18.261	ug/l	96
62) Toluene	8.76	91	465486	17.760	ug/l	98
64) Chlorobenzene	10.12	112	308881	18.032	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	133671	18.658	ug/l	99
66) Ethyl Benzene	10.24	91	526675	18.203	ug/l	97
67) m/p-Xylenes	10.34	106	412702	38.072	ug/l	96
68) o-Xylene	10.68	106	195585	18.162	ug/l	96
69) Styrene	10.70	104	339766	18.097	ug/l	98
70) Isopropylbenzene	11.00	105	539086	17.138	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	168505	19.220	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	170550m	19.404	ug/l	
73) Bromobenzene	11.24	156	151530	18.239	ug/l	99
74) n-propylbenzene	11.34	91	630861	17.795	ug/l	99
75) 2-Chlorotoluene	11.40	91	382629	17.937	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	475718	18.268	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	62568	17.494	ug/l	98
78) 4-Chlorotoluene	11.49	91	452170	18.185	ug/l	100
79) tert-butylbenzene	11.76	119	459656	18.012	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	475604	17.696	ug/l	100
81) sec-Butylbenzene	11.93	105	537898	17.667	ug/l	100
82) p-Isopropyltoluene	12.05	119	506732	17.932	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	270256	18.144	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	269665	18.195	ug/l	97
85) n-Butylbenzene	12.37	91	439058	16.275	ug/l	99
86) Hexachloroethane	12.58	117	95913	16.304	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	261870	17.536	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	42377	17.115	ug/l	100
89) 1,2,4-Trichlorobenzene	13.63	180	181554	16.569	ug/l	100
90) Hexachlorobutadiene	13.76	225	82025	16.524	ug/l	100
91) Naphthalene	13.82	128	553237	17.112	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	187127	17.897	ug/l	97

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

