

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018355.D
 Acq On : 11 Sep 2020 12:31
 Operator : JC/SP
 Sample : VX0911WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:09:49 PM

Quant Time: Sep 12 06:25:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	74951	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	383185	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	366861	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	179631	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.12	95	188914	29.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.03%
63) Toluene-d8	8.70	98	485907	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	74855	18.874 ug/l	98
3) Chloromethane	1.31	50	81366	19.314 ug/l	100
4) Vinyl Chloride	1.39	62	85624	19.302 ug/l	100
5) Bromomethane	1.64	94	60498	20.045 ug/l	98
6) Chloroethane	1.72	64	53318	19.776 ug/l	95
7) Trichlorofluoromethane	1.92	101	145270	19.324 ug/l	99
8) Diethyl Ether	2.17	74	47610	20.088 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72956	18.994 ug/l	98
10) 1,1-Dichloroethene	2.36	96	74743	19.824 ug/l	96
11) Methyl Iodide	2.50	142	74344	20.575 ug/l	97
12) Methyl Acetate	2.75	43	102000	20.552 ug/l	96
13) Acrolein	2.27	56	50308	125.600 ug/l	96
14) Acrylonitrile	3.12	53	230156	102.344 ug/l	99
15) Acetone	2.42	58	60990	99.749 ug/l	89
16) Carbon Disulfide	2.55	76	210269	19.153 ug/l	99
17) Allyl chloride	2.71	41	135919	20.169 ug/l	96
18) Methylene Chloride	2.84	84	85553	19.334 ug/l	93
19) trans-1,2-Dichloroethene	3.14	96	83130	19.859 ug/l	98
20) Diisopropyl ether	3.82	45	270458	20.272 ug/l	91
21) 1,1-Dichloroethane	3.67	63	149776	19.559 ug/l	98
22) cis-1,2-Dichloroethene	4.57	96	94651	20.436 ug/l	99
23) tert-Butyl Alcohol	3.01	59	104272	106.997 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	268005	19.994 ug/l	99
25) Chloroform	5.18	83	164561	20.136 ug/l	100
26) Cyclohexane	5.56	56	117865	19.069 ug/l	# 54
29) 1,1-Dichloropropene	5.77	75	110882	18.957 ug/l	99
30) 2-Butanone	4.64	43	325145	101.522 ug/l	99
31) 2,2-Dichloropropane	4.56	77	138692	19.630 ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	152997	19.984 ug/l	99
33) Carbon Tetrachloride	5.76	117	137615	19.290 ug/l	95
34) Benzene	6.12	78	330521	19.796 ug/l	# 95
35) Methacrylonitrile	5.00	41	68896	20.412 ug/l	96
36) 1,2-Dichloroethane	6.17	62	140012	20.262 ug/l	# 100
37) Trichloroethene	7.19	130	93881	19.445 ug/l	94
38) Methylcyclohexane	7.44	83	115200	18.490 ug/l	100
39) 1,2-Dichloropropane	7.49	63	86638	19.374 ug/l	96
40) Dibromomethane	7.64	93	63382	19.627 ug/l	99

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

41) Bromodichloromethane	7.88	83	129947	19.415	ug/l	95
42) Vinyl Acetate	3.79	43	1202225	100.614	ug/l	99
43) Ethyl Acetate	4.79	43	128099	20.115	ug/l	97
44) Isopropyl Acetate	6.42	43	203270	19.806	ug/l	97
45) 1,4-Dioxane	7.71	88	36622	427.122	ug/l #	91
46) Methyl methacrylate	7.75	41	97742	19.350	ug/l	96
47) n-amyl Acetate	10.88	43	170197	18.872	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	141215	19.642	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	146232	19.362	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	89749	19.945	ug/l	98
51) Ethyl methacrylate	9.16	69	129867	19.923	ug/l	93
52) 1,3-Dichloropropane	9.35	76	146214	19.576	ug/l	97
53) Dibromochloromethane	9.56	129	110808	19.804	ug/l	99
54) 1,2-Dibromoethane	9.65	107	98432	19.940	ug/l	94
55) 2-Chloroethyl vinyl ether	8.29	63	340888	100.143	ug/l	99
56) Bromoform	10.84	173	81438	19.157	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	644326	102.113	ug/l	99
59) 2-Hexanone	9.47	43	490060	102.536	ug/l	98
61) Tetrachloroethene	9.32	164	89468	19.554	ug/l	86
62) Toluene	8.77	91	357950	19.387	ug/l	99
64) Chlorobenzene	10.12	112	231945	19.549	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	96024	19.984	ug/l	96
66) Ethyl Benzene	10.24	91	390027	19.118	ug/l	98
67) m/p-Xylenes	10.34	106	298186	38.221	ug/l	99
68) o-Xylene	10.68	106	145307	19.711	ug/l	96
69) Styrene	10.70	104	249282	19.382	ug/l	99
70) Isopropylbenzene	11.00	105	393251	19.183	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	132879	19.835	ug/l	97
72) 1,2,3-Trichloropropane	11.28	75	131476m	20.427	ug/l	
73) Bromobenzene	11.24	156	106580	18.977	ug/l	99
74) n-propylbenzene	11.34	91	448451	18.578	ug/l	98
75) 2-Chlorotoluene	11.40	91	275121	18.805	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	341447	19.119	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	47707	19.073	ug/l	97
78) 4-Chlorotoluene	11.49	91	333813	19.127	ug/l	99
79) tert-butylbenzene	11.76	119	323601	18.810	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	338028	19.137	ug/l	98
81) sec-Butylbenzene	11.93	105	368867	18.356	ug/l	98
82) p-Isopropyltoluene	12.05	119	349906	18.675	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	196034	19.522	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	197731	19.693	ug/l	99
85) n-Butylbenzene	12.37	91	304151	18.438	ug/l	98
86) Hexachloroethane	12.58	117	71580	19.404	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	182310	19.388	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	32634	19.042	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	118406	18.613	ug/l	97
90) Hexachlorobutadiene	13.76	225	53025	19.705	ug/l	95
91) Naphthalene	13.82	128	382764	19.279	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	113669	18.061	ug/l	95

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

