

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017308.D
 Acq On : 09 Jul 2020 15:26
 Operator : JC/SP
 Sample : VX0709WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0709WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:36:23 PM

Quant Time: Jul 10 06:47:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	52811	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	273182	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	257893	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	113267	29.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.47%
60) 4-Bromofluorobenzene	11.12	95	128010	29.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.00%
63) Toluene-d8	8.70	98	333096	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	45000	19.493	ug/l 96
3) Chloromethane	1.31	50	48021	19.525	ug/l 99
4) Vinyl Chloride	1.39	62	49794	19.649	ug/l 99
5) Bromomethane	1.64	94	33493	19.829	ug/l 96
6) Chloroethane	1.72	64	32308	19.281	ug/l 99
7) Trichlorofluoromethane	1.92	101	85862	19.073	ug/l 97
8) Diethyl Ether	2.17	74	30822	19.299	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	49701	20.191	ug/l 98
10) 1,1-Dichloroethene	2.36	96	49121	20.241	ug/l 98
11) Methyl Iodide	2.50	142	48497	16.971	ug/l 99
12) Methyl Acetate	2.75	43	66520	19.672	ug/l 97
13) Acrolein	2.27	56	39369	90.031	ug/l 99
14) Acrylonitrile	3.12	53	146107	95.764	ug/l 99
15) Acetone	2.42	58	37438	97.298	ug/l 86
16) Carbon Disulfide	2.55	76	130045	19.756	ug/l 100
17) Allyl chloride	2.71	41	83740	18.548	ug/l 96
18) Methylene Chloride	2.84	84	56353	18.853	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	54093	19.064	ug/l 97
20) Diisopropyl ether	3.82	45	173549	19.227	ug/l 96
21) 1,1-Dichloroethane	3.67	63	96490	19.072	ug/l 95
22) cis-1,2-Dichloroethene	4.56	96	61676	19.052	ug/l 98
23) tert-Butyl Alcohol	3.01	59	59023	93.753	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	176343	19.033	ug/l 100
25) Chloroform	5.18	83	102582	19.029	ug/l 96
26) Cyclohexane	5.55	56	77012	19.538	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	73171	19.423	ug/l 98
30) 2-Butanone	4.64	43	199957	97.041	ug/l 99
31) 2,2-Dichloropropane	4.55	77	88109	18.669	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	94287	19.224	ug/l 98
33) Carbon Tetrachloride	5.75	117	87119	19.262	ug/l 95
34) Benzene	6.12	78	216252	19.292	ug/l 96
35) Methacrylonitrile	5.01	41	45439	19.696	ug/l 98
36) 1,2-Dichloroethane	6.17	62	84370	19.112	ug/l 99
37) Trichloroethene	7.19	130	63382	18.799	ug/l 97
38) Methylcyclohexane	7.44	83	76770	19.339	ug/l 99
39) 1,2-Dichloropropane	7.49	63	55524	18.956	ug/l 99
40) Dibromomethane	7.63	93	39805	18.864	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	82542	18.743	ug/l	97
42) Vinyl Acetate	3.79	43	748622	95.069	ug/l	100
43) Ethyl Acetate	4.80	43	74639	18.415	ug/l	98
44) Isopropyl Acetate	6.42	43	124058	18.396	ug/l	98
45) 1,4-Dioxane	7.71	88	23835	370.801	ug/l	96
46) Methyl methacrylate	7.75	41	60856	18.525	ug/l	96
47) n-amyl Acetate	10.88	43	109137	18.277	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	88655	18.236	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	95501	18.773	ug/l	95
50) 1,1,2-Trichloroethane	9.20	97	58370	18.672	ug/l	99
51) Ethyl methacrylate	9.16	69	82591	18.133	ug/l	95
52) 1,3-Dichloropropane	9.35	76	96709	18.992	ug/l	99
53) Dibromochloromethane	9.57	129	69365	18.177	ug/l	97
54) 1,2-Dibromoethane	9.65	107	61812	18.493	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	229585	105.105	ug/l	99
56) Bromoform	10.84	173	52818	17.743	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	400712	98.061	ug/l	99
59) 2-Hexanone	9.47	43	299915	96.279	ug/l	98
61) Tetrachloroethene	9.32	164	64907	19.757	ug/l	98
62) Toluene	8.76	91	235635	19.300	ug/l	100
64) Chlorobenzene	10.12	112	151978	18.658	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	62673	18.832	ug/l	97
66) Ethyl Benzene	10.24	91	256902	18.699	ug/l	100
67) m/p-Xylenes	10.34	106	201910	38.041	ug/l	98
68) o-Xylene	10.68	106	93834	18.604	ug/l	100
69) Styrene	10.70	104	166863	18.654	ug/l	98
70) Isopropylbenzene	11.00	105	265173	19.165	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.25	83	83289	19.195	ug/l	97
72) 1,2,3-Trichloropropane	11.28	75	82092m	19.260	ug/l	
73) Bromobenzene	11.24	156	72388	18.622	ug/l	98
74) n-propylbenzene	11.34	91	302138	18.851	ug/l	99
75) 2-Chlorotoluene	11.40	91	182316	18.659	ug/l	97
76) 1,3,5-Trimethylbenzene	11.49	105	223091	18.794	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	29911	18.404	ug/l	92
78) 4-Chlorotoluene	11.49	91	216513	18.692	ug/l	100
79) tert-butylbenzene	11.76	119	214472	18.620	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	226580	18.920	ug/l	99
81) sec-Butylbenzene	11.93	105	250064	18.835	ug/l	100
82) p-Isopropyltoluene	12.05	119	238300	18.982	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	131602	18.812	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	130302	18.408	ug/l	99
85) n-Butylbenzene	12.37	91	193818	18.271	ug/l	99
86) Hexachloroethane	12.58	117	45935	18.914	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	125091	18.699	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	20402	19.406	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	82154	18.107	ug/l	98
90) Hexachlorobutadiene	13.76	225	33186	18.234	ug/l	98
91) Naphthalene	13.82	128	257154	18.487	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	82891	18.369	ug/l	98

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

