

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009261.D
 Acq On : 01 May 2019 18:01
 Operator : JC/SP
 Sample : VX0501WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0501WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:46 AM

Quant Time: May 02 07:07:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31398	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	179919	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	157753	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75406	28.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.50%
60) 4-Bromofluorobenzene	11.13	95	80297	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	8.71	98	228381	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	33203	19.901	ug/l 98
3) Chloromethane	1.32	50	45877	20.458	ug/l 99
4) Vinyl Chloride	1.41	62	44794	20.022	ug/l 98
5) Bromomethane	1.64	94	26179	18.460	ug/l 99
6) Chloroethane	1.72	64	27743	18.909	ug/l 98
7) Trichlorofluoromethane	1.93	101	55114	19.951	ug/l 98
8) Diethyl Ether	2.19	74	25391	19.794	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33877	19.807	ug/l 99
10) 1,1-Dichloroethene	2.37	96	33774	19.666	ug/l 97
11) Methyl Iodide	2.51	142	35479	19.004	ug/l 98
12) Methyl Acetate	2.77	43	63656	19.679	ug/l 97
13) Acrolein	2.29	56	35236	79.421	ug/l 99
14) Acrylonitrile	3.14	53	139730	99.536	ug/l 100
15) Acetone	2.45	58	37912	94.062	ug/l 94
16) Carbon Disulfide	2.57	76	90816	19.545	ug/l 100
17) Allyl chloride	2.73	41	79882	19.375	ug/l 99
18) Methylene Chloride	2.85	84	41011	19.759	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	36560	19.966	ug/l 96
20) Diisopropyl ether	3.85	45	161984	19.951	ug/l 99
21) 1,1-Dichloroethane	3.70	63	76739	19.530	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	43721	19.823	ug/l 98
23) tert-Butyl Alcohol	3.05	59	59208	99.745	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	132421	19.703	ug/l 100
25) Chloroform	5.21	83	70982	19.796	ug/l 93
26) Cyclohexane	5.58	56	72422	19.776	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	51939	19.674	ug/l 97
30) 2-Butanone	4.67	43	208828	101.005	ug/l 100
31) 2,2-Dichloropropane	4.58	77	57230	19.664	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	57752	20.179	ug/l 98
33) Carbon Tetrachloride	5.78	117	48239	20.145	ug/l 96
34) Benzene	6.14	78	165528	20.337	ug/l 97
35) Methacrylonitrile	5.04	41	44620	20.628	ug/l 95
36) 1,2-Dichloroethane	6.19	62	60737	20.566	ug/l 100
37) Trichloroethene	7.21	130	38692	19.748	ug/l 92
38) Methylcyclohexane	7.46	83	65468	20.072	ug/l 99
39) 1,2-Dichloropropane	7.51	63	47408	20.454	ug/l 99
40) Dibromomethane	7.66	93	26847	20.408	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	53419	19.880	ug/l	98
42) Vinyl Acetate	3.81	43	701705	102.833	ug/l	100
43) Ethyl Acetate	4.83	43	76000	20.343	ug/l	99
44) Isopropyl Acetate	6.45	43	121011	19.994	ug/l	99
45) 1,4-Dioxane	7.74	88	24596	413.932	ug/l	98
46) Methyl methacrylate	7.77	41	59736	19.775	ug/l	96
47) n-amyl Acetate	10.90	43	108589	19.917	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	61177	19.513	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	67946	19.741	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	40313	20.002	ug/l	97
51) Ethyl methacrylate	9.18	69	74202	19.923	ug/l	97
52) 1,3-Dichloropropane	9.37	76	73494	20.547	ug/l	100
53) Dibromochloromethane	9.58	129	39502	19.680	ug/l	99
54) 1,2-Dibromoethane	9.67	107	41300	19.980	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	199519	100.531	ug/l	100
56) Bromoform	10.85	173	28952	18.790	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	400883	103.348	ug/l	100
59) 2-Hexanone	9.49	43	311900	102.516	ug/l	99
61) Tetrachloroethene	9.34	164	36307	20.877	ug/l	96
62) Toluene	8.78	91	175069	20.768	ug/l	99
64) Chlorobenzene	10.14	112	103649	20.431	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	37617	20.251	ug/l	100
66) Ethyl Benzene	10.25	91	192014	20.447	ug/l	99
67) m/p-Xylenes	10.36	106	142019	41.421	ug/l	98
68) o-Xylene	10.69	106	68618	20.353	ug/l	100
69) Styrene	10.71	104	120592	20.376	ug/l	99
70) Isopropylbenzene	11.02	105	186642	20.585	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	68116	20.514	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	59669m	20.853	ug/l	
73) Bromobenzene	11.26	156	44927	20.055	ug/l	99
74) n-propylbenzene	11.36	91	213810	20.350	ug/l	100
75) 2-Chlorotoluene	11.42	91	128142	20.334	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	156892	20.428	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	21173	18.344	ug/l	95
78) 4-Chlorotoluene	11.51	91	143451	20.042	ug/l	99
79) tert-butylbenzene	11.77	119	152028	20.476	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	157994	20.525	ug/l	99
81) sec-Butylbenzene	11.94	105	179743	20.377	ug/l	100
82) p-Isopropyltoluene	12.06	119	164202	20.464	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	79744	19.933	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	79849	20.033	ug/l	99
85) n-Butylbenzene	12.38	91	144268	19.649	ug/l	100
86) Hexachloroethane	12.59	117	26602	19.483	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	81076	20.132	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15601	20.219	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	57853	20.156	ug/l	99
90) Hexachlorobutadiene	13.78	225	28779	20.072	ug/l	99
91) Naphthalene	13.83	128	195606	20.814	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	61065	20.929	ug/l	99

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

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