

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009262.D
 Acq On : 01 May 2019 18:24
 Operator : JC/SP
 Sample : VX0501WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0501WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:51 AM

Quant Time: May 02 07:09:37 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	31042	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	177434	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	158173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75486	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	11.13	95	78985	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	8.71	98	226176	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30899	18.733	ug/l 96
3) Chloromethane	1.32	50	42636	19.230	ug/l 98
4) Vinyl Chloride	1.40	62	41435	18.733	ug/l 98
5) Bromomethane	1.64	94	25649	18.294	ug/l 98
6) Chloroethane	1.72	64	26082	17.981	ug/l 100
7) Trichlorofluoromethane	1.93	101	51257	18.767	ug/l 98
8) Diethyl Ether	2.19	74	23971	18.902	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31946	18.892	ug/l 99
10) 1,1-Dichloroethene	2.37	96	31509	18.558	ug/l 98
11) Methyl Iodide	2.51	142	32920	17.836	ug/l 97
12) Methyl Acetate	2.77	43	60259	18.842	ug/l 97
13) Acrolein	2.29	56	37842	86.273	ug/l 99
14) Acrylonitrile	3.14	53	132362	95.368	ug/l 99
15) Acetone	2.44	58	36635	91.936	ug/l 97
16) Carbon Disulfide	2.57	76	84420	18.376	ug/l 100
17) Allyl chloride	2.73	41	76480	18.762	ug/l 96
18) Methylene Chloride	2.85	84	38917	18.965	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	34139	18.858	ug/l 98
20) Diisopropyl ether	3.85	45	151731	18.902	ug/l 98
21) 1,1-Dichloroethane	3.70	63	73115	18.821	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	41224	18.905	ug/l 99
23) tert-Butyl Alcohol	3.04	59	55104	93.896	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	124855	18.790	ug/l 100
25) Chloroform	5.21	83	66527	18.766	ug/l 96
26) Cyclohexane	5.58	56	68107	18.811	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	50417	19.365	ug/l 99
30) 2-Butanone	4.67	43	198047	97.132	ug/l 99
31) 2,2-Dichloropropane	4.59	77	54217	18.889	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	53878	19.089	ug/l 99
33) Carbon Tetrachloride	5.79	117	44848	18.991	ug/l 99
34) Benzene	6.14	78	155627	19.389	ug/l 99
35) Methacrylonitrile	5.04	41	42502	19.924	ug/l 95
36) 1,2-Dichloroethane	6.19	62	56031	19.238	ug/l 100
37) Trichloroethene	7.21	130	36231	18.751	ug/l 96
38) Methylcyclohexane	7.46	83	62009	19.278	ug/l 98
39) 1,2-Dichloropropane	7.51	63	44902	19.644	ug/l 97
40) Dibromomethane	7.66	93	25181	19.410	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	50238	18.958	ug/l	96
42) Vinyl Acetate	3.81	43	662033	98.378	ug/l	99
43) Ethyl Acetate	4.83	43	72984	19.809	ug/l	99
44) Isopropyl Acetate	6.45	43	114396	19.166	ug/l	99
45) 1,4-Dioxane	7.74	88	23331	398.142	ug/l	98
46) Methyl methacrylate	7.77	41	56750	19.049	ug/l	98
47) n-amyl Acetate	10.90	43	98601	18.338	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	56858	18.389	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	63714	18.771	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	39650	19.949	ug/l	98
51) Ethyl methacrylate	9.18	69	70177	19.106	ug/l	98
52) 1,3-Dichloropropane	9.37	76	69053	19.576	ug/l	99
53) Dibromochloromethane	9.58	129	37054	18.719	ug/l	98
54) 1,2-Dibromoethane	9.67	107	39732	19.491	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	200007	102.189	ug/l	100
56) Bromoform	10.85	173	27214	17.910	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	380951	97.949	ug/l	100
59) 2-Hexanone	9.49	43	295525	96.876	ug/l	99
61) Tetrachloroethene	9.34	164	33637	19.291	ug/l	99
62) Toluene	8.78	91	164685	19.485	ug/l	100
64) Chlorobenzene	10.13	112	96397	18.951	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	34898	18.737	ug/l	100
66) Ethyl Benzene	10.25	91	178068	18.912	ug/l	99
67) m/p-Xylenes	10.36	106	132194	38.453	ug/l	99
68) o-Xylene	10.69	106	65144	19.272	ug/l	98
69) Styrene	10.71	104	110569	18.633	ug/l	99
70) Isopropylbenzene	11.02	105	172546	18.980	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	63879	19.187	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	55805m	19.451	ug/l	
73) Bromobenzene	11.26	156	42147	18.764	ug/l	99
74) n-propylbenzene	11.36	91	199112	18.900	ug/l	100
75) 2-Chlorotoluene	11.42	91	120240	19.029	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	146826	19.067	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19880	17.178	ug/l	92
78) 4-Chlorotoluene	11.51	91	134693	18.768	ug/l	100
79) tert-butylbenzene	11.77	119	140188	18.832	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	146104	18.930	ug/l	100
81) sec-Butylbenzene	11.94	105	167089	18.892	ug/l	99
82) p-Isopropyltoluene	12.06	119	151319	18.808	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	74162	18.488	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	73500	18.392	ug/l	99
85) n-Butylbenzene	12.38	91	133278	18.104	ug/l	100
86) Hexachloroethane	12.60	117	24944	18.220	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	75281	18.644	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14533	18.784	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	53292	18.517	ug/l	100
90) Hexachlorobutadiene	13.78	225	25802	17.948	ug/l	99
91) Naphthalene	13.83	128	184061	19.533	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	55534	18.983	ug/l	99

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

