

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013156.D
 Acq On : 21 Oct 2019 16:54
 Operator : JC/SP
 Sample : VX1021WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1021WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:31:58 PM

Quant Time: Oct 22 02:14:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	34976	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	199594	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	180423	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	80796	29.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%
60) 4-Bromofluorobenzene	11.14	95	92994	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	8.71	98	243549	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	48285	19.228	ug/l 100
3) Chloromethane	1.32	50	43503	19.871	ug/l 96
4) Vinyl Chloride	1.40	62	43908	19.399	ug/l 96
5) Bromomethane	1.63	94	25033	20.495	ug/l 99
6) Chloroethane	1.72	64	27474	19.021	ug/l 94
7) Trichlorofluoromethane	1.92	101	69315	19.056	ug/l 97
8) Diethyl Ether	2.18	74	24478	19.716	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	42648	19.196	ug/l 98
10) 1,1-Dichloroethene	2.36	96	41004	19.110	ug/l 96
11) Methyl Iodide	2.50	142	45020	16.291	ug/l 99
12) Methyl Acetate	2.76	43	54409	19.637	ug/l 97
13) Acrolein	2.28	56	37001	89.710	ug/l 99
14) Acrylonitrile	3.13	53	112881	97.416	ug/l 98
15) Acetone	2.43	58	38938	101.995	ug/l 93
16) Carbon Disulfide	2.56	76	106323	18.556	ug/l 97
17) Allyl chloride	2.72	41	65756	19.266	ug/l 98
18) Methylene Chloride	2.84	84	47228	19.010	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	43795	19.235	ug/l 98
20) Diisopropyl ether	3.84	45	129911	19.680	ug/l 95
21) 1,1-Dichloroethane	3.69	63	77258	19.276	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	50058	19.280	ug/l 99
23) tert-Butyl Alcohol	3.03	59	57581	94.319	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	144194	19.486	ug/l 97
25) Chloroform	5.20	83	80021	18.999	ug/l 99
26) Cyclohexane	5.56	56	67684	19.246	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	58988	19.024	ug/l # 84
30) 2-Butanone	4.65	43	162797	100.093	ug/l 99
31) 2,2-Dichloropropane	4.57	77	70367	19.629	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	70328	18.744	ug/l 100
33) Carbon Tetrachloride	5.78	117	61776	19.156	ug/l 98
34) Benzene	6.13	78	176139	19.732	ug/l 98
35) Methacrylonitrile	5.03	41	32826	19.680	ug/l 95
36) 1,2-Dichloroethane	6.18	62	65456	19.398	ug/l 100
37) Trichloroethene	7.20	130	49160	19.855	ug/l 99
38) Methylcyclohexane	7.45	83	74920	19.812	ug/l 99
39) 1,2-Dichloropropane	7.51	63	44026	20.094	ug/l 98
40) Dibromomethane	7.65	93	30639	19.578	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	60992	19.328	ug/l	97
42) Vinyl Acetate	3.80	43	563155	99.848	ug/l	100
43) Ethyl Acetate	4.82	43	60482	20.388	ug/l	98
44) Isopropyl Acetate	6.43	43	98648	19.786	ug/l	100
45) 1,4-Dioxane	7.73	88	25378	402.492	ug/l	99
46) Methyl methacrylate	7.76	41	48004	19.567	ug/l	90
47) n-amyl Acetate	10.89	43	82491	19.628	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	67092	19.382	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	74017	19.652	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	45956	19.884	ug/l	98
51) Ethyl methacrylate	9.17	69	72056	19.884	ug/l	96
52) 1,3-Dichloropropane	9.37	76	76341	19.615	ug/l	100
53) Dibromochloromethane	9.57	129	47151	18.913	ug/l	99
54) 1,2-Dibromoethane	9.67	107	48353	19.567	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	160323	108.910	ug/l	99
56) Bromoform	10.85	173	33487	18.933	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	300458	98.829	ug/l	100
59) 2-Hexanone	9.48	43	234172	98.283	ug/l	99
61) Tetrachloroethene	9.33	164	48190	20.147	ug/l	98
62) Toluene	8.78	91	191079	19.618	ug/l	100
64) Chlorobenzene	10.14	112	123261	19.738	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	45083	19.271	ug/l	99
66) Ethyl Benzene	10.25	91	217935	19.441	ug/l	98
67) m/p-Xylenes	10.35	106	164494	38.610	ug/l	98
68) o-Xylene	10.70	106	79316	19.502	ug/l	94
69) Styrene	10.71	104	137671	19.670	ug/l	99
70) Isopropylbenzene	11.01	105	216012	19.356	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	66672	19.496	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	63095m	21.243	ug/l	
73) Bromobenzene	11.25	156	51816	19.347	ug/l	97
74) n-propylbenzene	11.35	91	238677	19.485	ug/l	100
75) 2-Chlorotoluene	11.42	91	145642	19.002	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	180543	19.272	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	20538	17.809	ug/l	98
78) 4-Chlorotoluene	11.51	91	162341	18.536	ug/l	100
79) tert-butylbenzene	11.76	119	172983	19.176	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	183878	19.648	ug/l	100
81) sec-Butylbenzene	11.94	105	201518	18.752	ug/l	98
82) p-Isopropyltoluene	12.06	119	187220	19.054	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	90895	18.584	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	91894	18.997	ug/l	98
85) n-Butylbenzene	12.39	91	159312	19.088	ug/l	99
86) Hexachloroethane	12.59	117	32044	18.685	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	91821	19.353	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	16003	18.991	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	55610	18.846	ug/l	97
90) Hexachlorobutadiene	13.78	225	27971	18.670	ug/l	96
91) Naphthalene	13.83	128	175982	18.335	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	58834	19.461	ug/l	94

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

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