

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013418.D
 Acq On : 14 Nov 2019 13:39
 Operator : JC/SP
 Sample : VX1114WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 9:21:10 AM

Quant Time: Nov 15 02:59:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	114452	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	617436	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	550368	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	236800	28.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.40%
60) 4-Bromofluorobenzene	11.14	95	263084	29.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.13%
63) Toluene-d8	8.71	98	753305	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	150933	17.601	ug/l 96
3) Chloromethane	1.31	50	175107	18.736	ug/l 99
4) Vinyl Chloride	1.40	62	199272	18.765	ug/l 100
5) Bromomethane	1.63	94	110012	17.232	ug/l 96
6) Chloroethane	1.72	64	113833	19.500	ug/l 99
7) Trichlorofluoromethane	1.92	101	205513	17.976	ug/l 99
8) Diethyl Ether	2.18	74	97613	18.699	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	122827	17.857	ug/l 99
10) 1,1-Dichloroethene	2.36	96	126223	17.857	ug/l 99
11) Methyl Iodide	2.50	142	150703	17.267	ug/l 98
12) Methyl Acetate	2.76	43	235984	19.052	ug/l 98
13) Acrolein	2.28	56	110153	83.723	ug/l 99
14) Acrylonitrile	3.13	53	423876	93.064	ug/l 98
15) Acetone	2.43	58	114154	82.752	ug/l 100
16) Carbon Disulfide	2.56	76	337214	17.104	ug/l 99
17) Allyl chloride	2.72	41	232664	17.874	ug/l 97
18) Methylene Chloride	2.84	84	145441	18.135	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	136713	18.097	ug/l 97
20) Diisopropyl ether	3.84	45	463376	18.503	ug/l 88
21) 1,1-Dichloroethane	3.69	63	251764	18.457	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	158183	18.366	ug/l 97
23) tert-Butyl Alcohol	3.03	59	200214	91.341	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	427483	18.273	ug/l 100
25) Chloroform	5.20	83	250360	18.751	ug/l 96
26) Cyclohexane	5.57	56	214408	17.309	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	181284	19.223	ug/l 97
30) 2-Butanone	4.66	43	606333	97.407	ug/l 100
31) 2,2-Dichloropropane	4.57	77	188044	18.412	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	204599	19.519	ug/l 98
33) Carbon Tetrachloride	5.78	117	168285	18.483	ug/l 97
34) Benzene	6.14	78	565041	19.753	ug/l 97
35) Methacrylonitrile	5.03	41	123952	19.940	ug/l 96
36) 1,2-Dichloroethane	6.19	62	202480	20.223	ug/l 100
37) Trichloroethene	7.21	130	146694	19.143	ug/l 95
38) Methylcyclohexane	7.46	83	211468	18.288	ug/l 99
39) 1,2-Dichloropropane	7.51	63	144479	19.534	ug/l 99
40) Dibromomethane	7.65	93	98380	19.987	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	182178	18.959	ug/l	96
42) Vinyl Acetate	3.80	43	1936770	98.826	ug/l	100
43) Ethyl Acetate	4.83	43	230071	20.265	ug/l	99
44) Isopropyl Acetate	6.44	43	349963	19.176	ug/l	100
45) 1,4-Dioxane	7.73	88	80915	401.596	ug/l	98
46) Methyl methacrylate	7.76	41	173953	19.162	ug/l	95
47) n-amyl Acetate	10.89	43	299230	18.693	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	196436	18.231	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	224469	19.013	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	145986	20.042	ug/l	96
51) Ethyl methacrylate	9.17	69	227747	18.991	ug/l	98
52) 1,3-Dichloropropane	9.37	76	245982	19.755	ug/l	99
53) Dibromochloromethane	9.57	129	144089	18.665	ug/l	98
54) 1,2-Dibromoethane	9.67	107	151626	19.468	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	470426	91.804	ug/l	99
56) Bromoform	10.86	173	110211	17.940	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	1166757	101.481	ug/l	100
59) 2-Hexanone	9.48	43	900645	99.004	ug/l	100
61) Tetrachloroethene	9.33	164	131938	19.441	ug/l	98
62) Toluene	8.78	91	603559	19.688	ug/l	100
64) Chlorobenzene	10.14	112	377945	19.717	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	135840	18.932	ug/l	99
66) Ethyl Benzene	10.25	91	652096	19.362	ug/l	99
67) m/p-Xylenes	10.36	106	493794	38.009	ug/l	98
68) o-Xylene	10.70	106	244335	19.488	ug/l	96
69) Styrene	10.71	104	404529	18.895	ug/l	99
70) Isopropylbenzene	11.01	105	636607	19.269	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	234952	19.862	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	187330m	18.755	ug/l	
73) Bromobenzene	11.25	156	168118	19.296	ug/l	97
74) n-propylbenzene	11.35	91	708545	18.872	ug/l	100
75) 2-Chlorotoluene	11.42	91	428698	19.201	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	518976	18.689	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	70345	17.418	ug/l	92
78) 4-Chlorotoluene	11.51	91	475308	18.581	ug/l	99
79) tert-butylbenzene	11.76	119	531575	18.973	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	521912	18.860	ug/l	100
81) sec-Butylbenzene	11.94	105	599716	18.760	ug/l	100
82) p-Isopropyltoluene	12.06	119	544494	18.487	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	280524	18.314	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	281375	18.506	ug/l	100
85) n-Butylbenzene	12.39	91	449207	17.671	ug/l	99
86) Hexachloroethane	12.59	117	93799	17.355	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	288340	18.825	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	49110	18.564	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	186508	17.660	ug/l	99
90) Hexachlorobutadiene	13.78	225	92472	18.273	ug/l	99
91) Naphthalene	13.83	128	607986	18.182	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	192136	18.002	ug/l	99

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

