

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014632.D
 Acq On : 16 Jan 2020 12:37
 Operator : JC/SP
 Sample : VX0116WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 11:23:29 AM

Quant Time: Jan 17 06:45:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	75126	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	406499	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	376956	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	160417	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.13	95	178620	29.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.70%
63) Toluene-d8	8.71	98	509977	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	103694	19.972	ug/l 99
3) Chloromethane	1.32	50	112999	19.879	ug/l 99
4) Vinyl Chloride	1.40	62	128030	20.059	ug/l 98
5) Bromomethane	1.64	94	72332	18.161	ug/l 99
6) Chloroethane	1.72	64	70683	19.645	ug/l 99
7) Trichlorofluoromethane	1.92	101	137998	19.527	ug/l 99
8) Diethyl Ether	2.18	74	60433	19.578	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	83185	20.119	ug/l 97
10) 1,1-Dichloroethene	2.37	96	78057	18.769	ug/l 92
11) Methyl Iodide	2.50	142	100101	17.948	ug/l 99
12) Methyl Acetate	2.76	43	150222	19.995	ug/l 97
13) Acrolein	2.28	56	67539	85.587	ug/l 99
14) Acrylonitrile	3.12	53	248199	96.550	ug/l 99
15) Acetone	2.43	58	74834	86.834	ug/l 91
16) Carbon Disulfide	2.56	76	217352	19.029	ug/l 97
17) Allyl chloride	2.72	41	143834	18.688	ug/l 94
18) Methylene Chloride	2.85	84	94614	19.439	ug/l 93
19) trans-1,2-Dichloroethene	3.16	96	88328	19.729	ug/l 97
20) Diisopropyl ether	3.84	45	300009	19.701	ug/l 94
21) 1,1-Dichloroethane	3.69	63	161738	19.551	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	98627	19.171	ug/l 96
23) tert-Butyl Alcohol	3.02	59	103858	97.691	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	268040	19.366	ug/l 98
25) Chloroform	5.20	83	156236	19.496	ug/l 97
26) Cyclohexane	5.57	56	147720	19.359	ug/l 99
29) 1,1-Dichloropropene	5.79	75	115748	19.415	ug/l 99
30) 2-Butanone	4.65	43	349574	92.566	ug/l 100
31) 2,2-Dichloropropane	4.57	77	123991	19.438	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	128194	19.437	ug/l 99
33) Carbon Tetrachloride	5.78	117	111228	19.643	ug/l 98
34) Benzene	6.13	78	365190	19.824	ug/l 98
35) Methacrylonitrile	5.02	41	74042	19.631	ug/l 96
36) 1,2-Dichloroethane	6.18	62	125807	19.624	ug/l 99
37) Trichloroethene	7.20	130	99830	19.792	ug/l 97
38) Methylcyclohexane	7.45	83	149084	20.085	ug/l 98
39) 1,2-Dichloropropane	7.50	63	94287	19.683	ug/l 97
40) Dibromomethane	7.65	93	60255	19.572	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	116396	19.307	ug/l	100
42) Vinyl Acetate	3.80	43	1143975	98.281	ug/l	99
43) Ethyl Acetate	4.81	43	137096m	20.054	ug/l	
44) Isopropyl Acetate	6.43	43	211573	19.184	ug/l	99
45) 1,4-Dioxane	7.73	88	46413	420.722	ug/l	97
46) Methyl methacrylate	7.76	41	104375	19.245	ug/l	98
47) n-amyl Acetate	10.89	43	173608	18.787	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	125851	19.120	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	143306	19.322	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	91220	19.472	ug/l	97
51) Ethyl methacrylate	9.17	69	138476	18.985	ug/l	97
52) 1,3-Dichloropropane	9.36	76	157507	19.844	ug/l	99
53) Dibromochloromethane	9.57	129	91396	19.074	ug/l	99
54) 1,2-Dibromoethane	9.67	107	95885	19.736	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	317477	94.706	ug/l	100
56) Bromoform	10.85	173	66764	18.089	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	683358	96.265	ug/l	99
59) 2-Hexanone	9.48	43	512257	93.307	ug/l	100
61) Tetrachloroethene	9.33	164	109908	19.726	ug/l	94
62) Toluene	8.78	91	385237	19.262	ug/l	99
64) Chlorobenzene	10.14	112	238934	19.138	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	87796	19.040	ug/l	99
66) Ethyl Benzene	10.25	91	426827	19.594	ug/l	100
67) m/p-Xylenes	10.35	106	325769	39.042	ug/l	100
68) o-Xylene	10.70	106	154412	19.004	ug/l	97
69) Styrene	10.71	104	264613	19.221	ug/l	99
70) Isopropylbenzene	11.01	105	416436	19.564	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	135468	18.893	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	116959m	19.070	ug/l	
73) Bromobenzene	11.25	156	108557	19.239	ug/l	99
74) n-propylbenzene	11.35	91	475667	19.556	ug/l	99
75) 2-Chlorotoluene	11.42	91	281943	19.341	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	344036	19.397	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	40909	17.331	ug/l	97
78) 4-Chlorotoluene	11.51	91	323339	19.531	ug/l	99
79) tert-butylbenzene	11.76	119	318396	19.185	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	342919	19.384	ug/l	99
81) sec-Butylbenzene	11.94	105	400798	19.516	ug/l	99
82) p-Isopropyltoluene	12.06	119	363691	19.399	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	189354	19.219	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	187454	19.191	ug/l	99
85) n-Butylbenzene	12.39	91	309590	18.873	ug/l	100
86) Hexachloroethane	12.59	117	62355	18.547	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	190808	19.194	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27736	18.109	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	124407	18.959	ug/l	99
90) Hexachlorobutadiene	13.78	225	65940	20.111	ug/l	98
91) Naphthalene	13.83	128	366833	18.520	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	128084	19.177	ug/l	98

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

