

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013413.D
 Acq On : 14 Nov 2019 11:32
 Operator : JC/SP
 Sample : VX1114WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 9:21:03 AM

Quant Time: Nov 15 02:19:37 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	5.01	128	112692	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	593135	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	531368	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	241971	29.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.93%
60) 4-Bromofluorobenzene	11.14	95	255673	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	8.71	98	720808	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	135543	16.053 ug/l	98
3) Chloromethane	1.32	50	166422	18.085 ug/l	100
4) Vinyl Chloride	1.40	62	176359	16.866 ug/l	99
5) Bromomethane	1.63	94	105089	16.718 ug/l	97
6) Chloroethane	1.72	64	101743	17.701 ug/l	100
7) Trichlorofluoromethane	1.92	101	185130	16.446 ug/l	98
8) Diethyl Ether	2.18	74	100789	19.609 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	110451	16.308 ug/l	100
10) 1,1-Dichloroethene	2.36	96	115192	16.551 ug/l	97
11) Methyl Iodide	2.50	142	145601	16.943 ug/l	99
12) Methyl Acetate	2.76	43	237685	19.489 ug/l	98
13) Acrolein	2.28	56	118691	91.621 ug/l	98
14) Acrylonitrile	3.13	53	427568	95.341 ug/l	98
15) Acetone	2.43	58	113117	83.281 ug/l	95
16) Carbon Disulfide	2.56	76	307864	15.859 ug/l	99
17) Allyl chloride	2.72	41	224172	17.490 ug/l	96
18) Methylene Chloride	2.85	84	148086	18.753 ug/l	99
19) trans-1,2-Dichloroethene	3.15	96	130051	17.484 ug/l	97
20) Diisopropyl ether	3.84	45	468368	18.994 ug/l	91
21) 1,1-Dichloroethane	3.69	63	243774	18.151 ug/l	98
22) cis-1,2-Dichloroethene	4.58	96	156231	18.423 ug/l	96
23) tert-Butyl Alcohol	3.03	59	199880	92.613 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	438580	19.040 ug/l	100
25) Chloroform	5.20	83	240981	18.331 ug/l	98
26) Cyclohexane	5.57	56	198426	16.269 ug/l	# 98
29) 1,1-Dichloropropene	5.79	75	167077	18.442 ug/l	99
30) 2-Butanone	4.66	43	613439	102.586 ug/l	99
31) 2,2-Dichloropropane	4.58	77	175956	17.934 ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	188504	18.720 ug/l	98
33) Carbon Tetrachloride	5.78	117	154315	17.643 ug/l	99
34) Benzene	6.14	78	553379	20.138 ug/l	98
35) Methacrylonitrile	5.03	41	128610	21.537 ug/l	97
36) 1,2-Dichloroethane	6.18	62	205777	21.394 ug/l	100
37) Trichloroethene	7.21	130	141071	19.163 ug/l	95
38) Methylcyclohexane	7.46	83	194988	17.553 ug/l	98
39) 1,2-Dichloropropane	7.51	63	144090	20.280 ug/l	98
40) Dibromomethane	7.65	93	96374	20.381 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	186637	20.219	ug/l	98
42) Vinyl Acetate	3.80	43	1981045	105.226	ug/l	100
43) Ethyl Acetate	4.82	43	232289	21.299	ug/l	99
44) Isopropyl Acetate	6.43	43	358598	20.455	ug/l	99
45) 1,4-Dioxane	7.73	88	78168	403.857	ug/l	98
46) Methyl methacrylate	7.76	41	181574	20.821	ug/l	98
47) n-amyl Acetate	10.89	43	303190	19.716	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	201007	19.420	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	223600	19.715	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	150227	21.470	ug/l	97
51) Ethyl methacrylate	9.17	69	236079	20.492	ug/l	97
52) 1,3-Dichloropropane	9.37	76	254020	21.236	ug/l	99
53) Dibromochloromethane	9.57	129	151326	20.406	ug/l	96
54) 1,2-Dibromoethane	9.67	107	154628	20.667	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	494184	100.392	ug/l	100
56) Bromoform	10.85	173	115315	19.539	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	1186674	106.904	ug/l	100
59) 2-Hexanone	9.48	43	905508	103.098	ug/l	100
61) Tetrachloroethene	9.33	164	124256	18.963	ug/l	98
62) Toluene	8.78	91	585359	19.777	ug/l	100
64) Chlorobenzene	10.14	112	368517	19.913	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	137698	19.877	ug/l	99
66) Ethyl Benzene	10.25	91	617946	19.004	ug/l	99
67) m/p-Xylenes	10.35	106	473341	37.737	ug/l	99
68) o-Xylene	10.70	106	234512	19.373	ug/l	100
69) Styrene	10.71	104	399384	19.322	ug/l	99
70) Isopropylbenzene	11.01	105	601091	18.845	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	242210	21.208	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	192296m	19.941	ug/l	
73) Bromobenzene	11.25	156	167609	19.926	ug/l	97
74) n-propylbenzene	11.35	91	664367	18.328	ug/l	99
75) 2-Chlorotoluene	11.42	91	413515	19.183	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	496286	18.511	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	73509	18.852	ug/l	98
78) 4-Chlorotoluene	11.51	91	466316	18.881	ug/l	99
79) tert-butylbenzene	11.76	119	487608	18.026	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	496508	18.583	ug/l	99
81) sec-Butylbenzene	11.94	105	549890	17.817	ug/l	99
82) p-Isopropyltoluene	12.06	119	500556	17.603	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	275666	18.640	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	274423	18.694	ug/l	99
85) n-Butylbenzene	12.39	91	392638	15.998	ug/l	99
86) Hexachloroethane	12.59	117	89728	17.195	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	285214	19.287	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	51361	20.109	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	169719	16.645	ug/l	98
90) Hexachlorobutadiene	13.78	225	78870	16.142	ug/l	97
91) Naphthalene	13.83	128	580143	17.970	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	181420	17.606	ug/l	99

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

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