

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014824.D
 Acq On : 05 Feb 2020 15:54
 Operator : JC/SP
 Sample : L1377-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MS

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:45 PM

Quant Time: Feb 06 03:57:08 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	5.01	128	66800	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	363894	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	332010	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	142479	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	11.13	95	157425	29.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.77%
63) Toluene-d8	8.71	98	452331	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	87851	19.030	ug/l 98
3) Chloromethane	1.32	50	95284	18.852	ug/l 97
4) Vinyl Chloride	1.40	62	109278	19.255	ug/l 99
5) Bromomethane	1.64	94	60952	17.211	ug/l 98
6) Chloroethane	1.72	64	61325	19.169	ug/l 93
7) Trichlorofluoromethane	1.93	101	126880	20.192	ug/l 98
8) Diethyl Ether	2.18	74	55124	20.084	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71790	19.527	ug/l 97
10) 1,1-Dichloroethene	2.37	96	70533	19.074	ug/l 98
11) Methyl Iodide	2.50	142	91596	18.470	ug/l 99
12) Methyl Acetate	2.76	43	129065	19.321	ug/l 96
13) Acrolein	2.28	56	64050	91.282	ug/l 99
14) Acrylonitrile	3.13	53	218379	95.539	ug/l 99
15) Acetone	2.43	58	56987	74.367	ug/l 86
16) Carbon Disulfide	2.56	76	184397	18.156	ug/l 98
17) Allyl chloride	2.72	41	127301	18.601	ug/l 91
18) Methylene Chloride	2.85	84	83085	19.198	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	76773	19.286	ug/l 97
20) Diisopropyl ether	3.84	45	263533	19.463	ug/l 98
21) 1,1-Dichloroethane	3.69	63	144486	19.642	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	89569	19.580	ug/l 97
23) tert-Butyl Alcohol	3.02	59	85497	90.444	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	245212	19.925	ug/l 98
25) Chloroform	5.20	83	142373	19.980	ug/l 97
26) Cyclohexane	5.57	56	126157	18.593	ug/l 99
29) 1,1-Dichloropropene	5.79	75	103685	19.428	ug/l 99
30) 2-Butanone	4.65	43	295023	87.268	ug/l 99
31) 2,2-Dichloropropane	4.58	77	109936	19.252	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	118007	19.987	ug/l 99
33) Carbon Tetrachloride	5.78	117	99961	19.721	ug/l 99
34) Benzene	6.14	78	320474	19.433	ug/l 97
35) Methacrylonitrile	5.03	41	63864	18.915	ug/l 93
36) 1,2-Dichloroethane	6.18	62	118541	20.655	ug/l 98
37) Trichloroethene	7.21	130	87349	19.345	ug/l 98
38) Methylcyclohexane	7.46	83	125427	18.876	ug/l 99
39) 1,2-Dichloropropane	7.50	63	82789	19.306	ug/l 99
40) Dibromomethane	7.65	93	54827	19.894	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	106865	19.801	ug/l	96
42) Vinyl Acetate	3.80	43	988544	94.871	ug/l	100
43) Ethyl Acetate	4.82	43	111695	18.251	ug/l	99
44) Isopropyl Acetate	6.43	43	188148	19.058	ug/l	99
45) 1,4-Dioxane	7.73	88	34477	349.116	ug/l	98
46) Methyl methacrylate	7.76	41	93778	19.316	ug/l	97
47) n-amyl Acetate	10.89	43	155972	18.855	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	114661	19.460	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	124858	18.806	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	84058	20.044	ug/l	98
51) Ethyl methacrylate	9.17	69	123238	18.874	ug/l	97
52) 1,3-Dichloropropane	9.37	76	141750	19.950	ug/l	100
53) Dibromochloromethane	9.57	129	84759	19.760	ug/l	98
54) 1,2-Dibromoethane	9.67	107	86791	19.955	ug/l	98
56) Bromoform	10.85	173	63082	19.093	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	594885	95.147	ug/l	99
59) 2-Hexanone	9.48	43	448872	92.830	ug/l	100
61) Tetrachloroethene	9.33	164	85615	17.447	ug/l	98
62) Toluene	8.78	91	349527	19.843	ug/l	99
64) Chlorobenzene	10.13	112	215498	19.598	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	79371	19.543	ug/l	98
66) Ethyl Benzene	10.25	91	377630	19.682	ug/l	100
67) m/p-Xylenes	10.35	106	287880	39.172	ug/l	100
68) o-Xylene	10.70	106	139274	19.462	ug/l	100
69) Styrene	10.71	104	233024	19.218	ug/l	99
70) Isopropylbenzene	11.01	105	369658	19.717	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	125784	19.917	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	102982m	19.064	ug/l	
73) Bromobenzene	11.25	156	97626	19.644	ug/l	98
74) n-propylbenzene	11.35	91	417325	19.480	ug/l	98
75) 2-Chlorotoluene	11.42	91	249891	19.463	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	308014	19.717	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	36955	17.775	ug/l	95
78) 4-Chlorotoluene	11.51	91	286110	19.621	ug/l	97
79) tert-butylbenzene	11.76	119	296851	20.308	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	302648	19.424	ug/l	99
81) sec-Butylbenzene	11.94	105	353888	19.565	ug/l	100
82) p-Isopropyltoluene	12.06	119	321038	19.442	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	170541	19.653	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	173079	20.118	ug/l	98
85) n-Butylbenzene	12.39	91	267966	18.547	ug/l	99
86) Hexachloroethane	12.59	117	54779	18.500	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	171550	19.592	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	25847	19.160	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	112461	19.459	ug/l	98
90) Hexachlorobutadiene	13.78	225	55607	19.256	ug/l	100
91) Naphthalene	13.83	128	344849	19.767	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	118026	20.063	ug/l	98

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

