

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014693.D
 Acq On : 24 Jan 2020 13:31
 Operator : JC/SP
 Sample : VX0124WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0124WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 10:35:21 AM

Quant Time: Jan 24 22:47:54 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	71741	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	393632	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	361044	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	154233	30.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.97%
60) 4-Bromofluorobenzene	11.13	95	172351	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	8.71	98	486938	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	107213	21.624	ug/l 99
3) Chloromethane	1.32	50	110191	20.300	ug/l 94
4) Vinyl Chloride	1.40	62	125052	20.517	ug/l 100
5) Bromomethane	1.64	94	72201	18.984	ug/l 97
6) Chloroethane	1.72	64	71017	20.669	ug/l 98
7) Trichlorofluoromethane	1.92	101	139516	20.673	ug/l 98
8) Diethyl Ether	2.18	74	58473	19.837	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	82641	20.931	ug/l 97
10) 1,1-Dichloroethene	2.37	96	79580	20.038	ug/l 94
11) Methyl Iodide	2.50	142	100721	18.911	ug/l 97
12) Methyl Acetate	2.76	43	146317	20.395	ug/l 100
13) Acrolein	2.28	56	64571	85.687	ug/l 98
14) Acrylonitrile	3.13	53	240382	97.922	ug/l 99
15) Acetone	2.43	58	78161	94.974	ug/l 87
16) Carbon Disulfide	2.56	76	211512	19.392	ug/l 99
17) Allyl chloride	2.72	41	144493	19.659	ug/l 97
18) Methylene Chloride	2.84	84	93115	20.033	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	86503	20.233	ug/l 95
20) Diisopropyl ether	3.84	45	297122	20.432	ug/l 94
21) 1,1-Dichloroethane	3.69	63	161212	20.407	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	99398	20.232	ug/l 97
23) tert-Butyl Alcohol	3.02	59	98566	97.087	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	263029	19.901	ug/l 96
25) Chloroform	5.20	83	158007	20.647	ug/l 98
26) Cyclohexane	5.56	56	150785	20.693	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	119112	20.633	ug/l 98
30) 2-Butanone	4.65	43	351793	96.199	ug/l 100
31) 2,2-Dichloropropane	4.58	77	126991	20.559	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	130339	20.408	ug/l 99
33) Carbon Tetrachloride	5.78	117	112922	20.594	ug/l 97
34) Benzene	6.13	78	361628	20.272	ug/l 99
35) Methacrylonitrile	5.03	41	70004	19.167	ug/l 95
36) 1,2-Dichloroethane	6.18	62	126955	20.450	ug/l 99
37) Trichloroethene	7.20	130	101082	20.695	ug/l 92
38) Methylcyclohexane	7.46	83	148423	20.649	ug/l 99
39) 1,2-Dichloropropane	7.50	63	93204	20.092	ug/l 94
40) Dibromomethane	7.65	93	60558	20.313	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	116817	20.010	ug/l	98
42) Vinyl Acetate	3.80	43	1083721	96.148	ug/l	98
43) Ethyl Acetate	4.81	43	128011	19.337	ug/l	96
44) Isopropyl Acetate	6.43	43	208659	19.539	ug/l	99
45) 1,4-Dioxane	7.73	88	42086	393.969	ug/l	94
46) Methyl methacrylate	7.76	41	103276	19.665	ug/l	99
47) n-amyl Acetate	10.89	43	172930	19.326	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	126341	19.822	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	142307	19.815	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	93950	20.710	ug/l	99
51) Ethyl methacrylate	9.17	69	138791	19.650	ug/l	95
52) 1,3-Dichloropropane	9.37	76	154641	20.120	ug/l	98
53) Dibromochloromethane	9.57	129	92715	19.982	ug/l	99
54) 1,2-Dibromoethane	9.67	107	96041	20.414	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	303388	93.462	ug/l	100
56) Bromoform	10.85	173	67476	18.880	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	667172	98.127	ug/l	99
59) 2-Hexanone	9.48	43	513432	97.642	ug/l	99
61) Tetrachloroethene	9.33	164	118710	22.245	ug/l	96
62) Toluene	8.78	91	385548	20.128	ug/l	99
64) Chlorobenzene	10.13	112	238752	19.966	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	87676	19.852	ug/l	98
66) Ethyl Benzene	10.25	91	421757	20.215	ug/l	98
67) m/p-Xylenes	10.35	106	324063	40.550	ug/l	98
68) o-Xylene	10.70	106	151846	19.512	ug/l	96
69) Styrene	10.71	104	265062	20.103	ug/l	98
70) Isopropylbenzene	11.01	105	420261	20.614	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	133217	19.398	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	117659m	20.029	ug/l	
73) Bromobenzene	11.25	156	109576	20.275	ug/l	98
74) n-propylbenzene	11.35	91	483187	20.741	ug/l	98
75) 2-Chlorotoluene	11.42	91	280585	20.096	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	350402	20.626	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	41425	18.323	ug/l	95
78) 4-Chlorotoluene	11.51	91	323648	20.411	ug/l	99
79) tert-butylbenzene	11.76	119	314520	19.786	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	347107	20.486	ug/l	100
81) sec-Butylbenzene	11.94	105	405211	20.601	ug/l	99
82) p-Isopropyltoluene	12.06	119	365149	20.335	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	191823	20.328	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	193234	20.654	ug/l	98
85) n-Butylbenzene	12.39	91	315994	20.113	ug/l	99
86) Hexachloroethane	12.59	117	64905	20.157	ug/l	92
87) 1,2-Dichlorobenzene	12.39	146	190683	20.026	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	28628	19.515	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	124886	19.871	ug/l	99
90) Hexachlorobutadiene	13.78	225	66160	21.068	ug/l	99
91) Naphthalene	13.83	128	365632	19.273	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	127371	19.911	ug/l	98

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

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