

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
 Data File : VX014865.D
 Acq On : 07 Feb 2020 12:27
 Operator : JC/SP
 Sample : VX0207WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 10:49:19 AM

Quant Time: Feb 07 22:32:17 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	71951	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	410939	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	367357	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	155524	30.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.50%
60) 4-Bromofluorobenzene	11.13	95	175864	29.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.73%
63) Toluene-d8	8.71	98	490504	29.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	100712	20.254	ug/l 99
3) Chloromethane	1.32	50	98109	18.021	ug/l 95
4) Vinyl Chloride	1.40	62	114412	18.717	ug/l 99
5) Bromomethane	1.64	94	73807	19.349	ug/l 99
6) Chloroethane	1.72	64	63891	18.541	ug/l 99
7) Trichlorofluoromethane	1.93	101	143755	21.239	ug/l 97
8) Diethyl Ether	2.18	74	60772	20.556	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83412	21.064	ug/l 97
10) 1,1-Dichloroethene	2.37	96	78439	19.693	ug/l 97
11) Methyl Iodide	2.50	142	91384	17.108	ug/l 98
12) Methyl Acetate	2.76	43	143134	19.893	ug/l 98
13) Acrolein	2.28	56	48296	63.903	ug/l 99
14) Acrylonitrile	3.13	53	232936	94.612	ug/l 99
15) Acetone	2.43	58	63976	77.511	ug/l 87
16) Carbon Disulfide	2.56	76	199659	18.252	ug/l 97
17) Allyl chloride	2.72	41	135024	18.317	ug/l 91
18) Methylene Chloride	2.85	84	92362	19.813	ug/l 95
19) trans-1,2-Dichloroethene	3.15	96	86967	20.283	ug/l 98
20) Diisopropyl ether	3.84	45	284183	19.486	ug/l # 88
21) 1,1-Dichloroethane	3.69	63	154682	19.523	ug/l 97
22) cis-1,2-Dichloroethene	4.58	96	100638	20.425	ug/l 99
23) tert-Butyl Alcohol	3.02	59	102850	101.011	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	272583	20.564	ug/l 98
25) Chloroform	5.20	83	156687	20.415	ug/l 97
26) Cyclohexane	5.57	56	139507	19.089	ug/l 97
29) 1,1-Dichloropropene	5.79	75	114742	19.039	ug/l 98
30) 2-Butanone	4.65	43	327007	85.655	ug/l 99
31) 2,2-Dichloropropane	4.57	77	131532	20.397	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	134558	20.181	ug/l 98
33) Carbon Tetrachloride	5.78	117	117589	20.542	ug/l 98
34) Benzene	6.13	78	349800	18.783	ug/l 98
35) Methacrylonitrile	5.03	41	69889	18.330	ug/l 94
36) 1,2-Dichloroethane	6.18	62	129713	20.014	ug/l 98
37) Trichloroethene	7.20	130	100567	19.722	ug/l 98
38) Methylcyclohexane	7.46	83	147038	19.595	ug/l 99
39) 1,2-Dichloropropane	7.51	63	88906	18.359	ug/l 95
40) Dibromomethane	7.65	93	61395	19.727	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	119687	19.638	ug/l	98
42) Vinyl Acetate	3.80	43	1107681	94.135	ug/l	100
43) Ethyl Acetate	4.82	43	126998	18.376	ug/l	97
44) Isopropyl Acetate	6.43	43	207123	18.578	ug/l	100
45) 1,4-Dioxane	7.73	88	45060	404.044	ug/l	95
46) Methyl methacrylate	7.76	41	103645	18.904	ug/l	95
47) n-amyl Acetate	10.89	43	171969	18.409	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	133354	20.041	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	145555	19.414	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	91159	19.249	ug/l	98
51) Ethyl methacrylate	9.17	69	140758	19.089	ug/l	96
52) 1,3-Dichloropropane	9.36	76	154697	19.280	ug/l	99
53) Dibromochloromethane	9.57	129	97159	20.057	ug/l	100
54) 1,2-Dibromoethane	9.67	107	98301	20.014	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	300714	88.737	ug/l	98
56) Bromoform	10.85	173	75800	20.315	ug/l	97
58) 4-Methyl-2-Pentanone	8.63	43	649691	93.914	ug/l	99
59) 2-Hexanone	9.48	43	500357	93.521	ug/l	99
61) Tetrachloroethene	9.33	164	106082	19.537	ug/l	97
62) Toluene	8.78	91	385406	19.774	ug/l	100
64) Chlorobenzene	10.14	112	248806	20.449	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	91989	20.471	ug/l	99
66) Ethyl Benzene	10.25	91	424914	20.016	ug/l	96
67) m/p-Xylenes	10.35	106	331139	40.723	ug/l	100
68) o-Xylene	10.70	106	157951	19.948	ug/l	100
69) Styrene	10.71	104	266523	19.866	ug/l	99
70) Isopropylbenzene	11.01	105	425683	20.521	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	134975	19.316	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	114373m	19.135	ug/l	
73) Bromobenzene	11.25	156	115967	21.089	ug/l	94
74) n-propylbenzene	11.35	91	483326	20.390	ug/l	98
75) 2-Chlorotoluene	11.42	91	288608	20.315	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	354971	20.536	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	44002	19.128	ug/l	92
78) 4-Chlorotoluene	11.51	91	331435	20.543	ug/l	97
79) tert-butylbenzene	11.76	119	342480	21.175	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	355975	20.648	ug/l	100
81) sec-Butylbenzene	11.94	105	416115	20.792	ug/l	98
82) p-Isopropyltoluene	12.06	119	385096	21.077	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	203500	21.194	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	202655	21.289	ug/l	100
85) n-Butylbenzene	12.38	91	329457	20.609	ug/l	99
86) Hexachloroethane	12.59	117	65576	20.015	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	199663	20.609	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	29850	19.998	ug/l	92
89) 1,2,4-Trichlorobenzene	13.64	180	144462	22.591	ug/l	99
90) Hexachlorobutadiene	13.77	225	71006	22.222	ug/l	97
91) Naphthalene	13.83	128	417838	21.646	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	140620	21.604	ug/l	99

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

