

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013535.D
 Acq On : 22 Nov 2019 15:59
 Operator : JC/SP
 Sample : VX1122WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1122WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/25/2019 10:40:17 AM

Quant Time: Nov 22 17:48:00 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	113073	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	631136	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	571013	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	241860	28.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.57%
60) 4-Bromofluorobenzene	11.13	95	270745	29.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.33%
63) Toluene-d8	8.71	98	767912	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	160579	18.954	ug/l 96
3) Chloromethane	1.32	50	174013	18.846	ug/l 99
4) Vinyl Chloride	1.40	62	198823	18.951	ug/l 97
5) Bromomethane	1.63	94	98416	15.603	ug/l 96
6) Chloroethane	1.72	64	109440	18.976	ug/l 97
7) Trichlorofluoromethane	1.92	101	214254	18.969	ug/l 99
8) Diethyl Ether	2.18	74	98778	19.153	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	127307	18.734	ug/l 99
10) 1,1-Dichloroethene	2.36	96	131567	18.840	ug/l 97
11) Methyl Iodide	2.50	142	142777	16.558	ug/l 98
12) Methyl Acetate	2.76	43	231805	18.943	ug/l 99
13) Acrolein	2.28	56	117243	90.199	ug/l 98
14) Acrylonitrile	3.13	53	411982	91.556	ug/l 98
15) Acetone	2.43	58	130123	95.479	ug/l 94
16) Carbon Disulfide	2.56	76	333520	17.123	ug/l 98
17) Allyl chloride	2.72	41	230579	17.930	ug/l 98
18) Methylene Chloride	2.84	84	151612	19.135	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	139034	18.629	ug/l 99
20) Diisopropyl ether	3.84	45	465769	18.825	ug/l # 86
21) 1,1-Dichloroethane	3.69	63	254951	18.919	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	160123	18.818	ug/l 98
23) tert-Butyl Alcohol	3.03	59	190159	87.812	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	439993	19.037	ug/l 100
25) Chloroform	5.20	83	247267	18.745	ug/l 98
26) Cyclohexane	5.57	56	224018	18.306	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	186547	19.352	ug/l 99
30) 2-Butanone	4.65	43	611738	96.142	ug/l 99
31) 2,2-Dichloropropane	4.57	77	186076	17.823	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	207566	19.372	ug/l 98
33) Carbon Tetrachloride	5.78	117	179494	19.287	ug/l 98
34) Benzene	6.14	78	576480	19.716	ug/l 99
35) Methacrylonitrile	5.03	41	122707	19.312	ug/l 97
36) 1,2-Dichloroethane	6.18	62	200930	19.632	ug/l 100
37) Trichloroethene	7.21	130	155393	19.838	ug/l 99
38) Methylcyclohexane	7.46	83	227056	19.210	ug/l 99
39) 1,2-Dichloropropane	7.51	63	148568	19.651	ug/l 97
40) Dibromomethane	7.65	93	97263	19.331	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	188680	19.210	ug/l	99
42) Vinyl Acetate	3.80	43	1771814	88.446	ug/l	100
43) Ethyl Acetate	4.82	43	214697	18.500	ug/l	96
44) Isopropyl Acetate	6.44	43	353390	18.944	ug/l	99
45) 1,4-Dioxane	7.73	88	77659	377.069	ug/l	96
46) Methyl methacrylate	7.76	41	176082	18.976	ug/l	98
47) n-amyl Acetate	10.89	43	298429	18.238	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	197360	17.919	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	228117	18.902	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	148803	19.986	ug/l	98
51) Ethyl methacrylate	9.17	69	233850	19.076	ug/l	99
52) 1,3-Dichloropropane	9.37	76	255934	20.108	ug/l	99
53) Dibromochloromethane	9.58	129	148621	18.834	ug/l	98
54) 1,2-Dibromoethane	9.67	107	154749	19.437	ug/l	96
55) 2-Chloroethyl vinyl ether	8.31	63	495208	94.543	ug/l	100
56) Bromoform	10.86	173	112550	17.923	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	1153095	96.666	ug/l	99
59) 2-Hexanone	9.48	43	886785	93.956	ug/l	99
61) Tetrachloroethene	9.33	164	185304	26.317	ug/l	97
62) Toluene	8.78	91	620431	19.506	ug/l	99
64) Chlorobenzene	10.14	112	385978	19.408	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	140762	18.909	ug/l	99
66) Ethyl Benzene	10.25	91	682868	19.543	ug/l	100
67) m/p-Xylenes	10.36	106	512635	38.033	ug/l	99
68) o-Xylene	10.70	106	253818	19.512	ug/l	97
69) Styrene	10.71	104	417949	18.816	ug/l	99
70) Isopropylbenzene	11.01	105	656400	19.150	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	228524	18.620	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	213230m	20.576	ug/l	
73) Bromobenzene	11.25	156	169901	18.796	ug/l	99
74) n-propylbenzene	11.35	91	742841	19.070	ug/l	100
75) 2-Chlorotoluene	11.42	91	441196	19.047	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	543778	18.874	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	69422	16.568	ug/l	97
78) 4-Chlorotoluene	11.51	91	494939	18.649	ug/l	100
79) tert-butylbenzene	11.76	119	507819	17.469	ug/l	95
80) 1,2,4-Trimethylbenzene	11.80	105	545419	18.997	ug/l	100
81) sec-Butylbenzene	11.94	105	628494	18.950	ug/l	100
82) p-Isopropyltoluene	12.06	119	569345	18.632	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	295956	18.623	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	292849	18.564	ug/l	98
85) n-Butylbenzene	12.39	91	461028	17.481	ug/l	98
86) Hexachloroethane	12.59	117	100754	17.968	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	299385	18.839	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	50015	18.223	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	190565	17.392	ug/l	98
90) Hexachlorobutadiene	13.78	225	92125	17.546	ug/l	98
91) Naphthalene	13.83	128	615893	17.753	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	199598	18.025	ug/l	100

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

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