

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070820\
 Data File : VX017277.D
 Acq On : 08 Jul 2020 23:47
 Operator : JC/SP
 Sample : VX0708WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0708WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 11:00:01 AM

Quant Time: Jul 09 05:28:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	49665	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	262674	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	252329	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	109794	28.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.67%
60) 4-Bromofluorobenzene	11.12	95	127255	30.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.80%
63) Toluene-d8	8.70	98	321057	28.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	55786	23.099	ug/l 99
3) Chloromethane	1.31	50	59060	18.033	ug/l 99
4) Vinyl Chloride	1.39	62	61607	18.446	ug/l 97
5) Bromomethane	1.63	94	43278	17.996	ug/l 99
6) Chloroethane	1.72	64	41246	19.148	ug/l 95
7) Trichlorofluoromethane	1.92	101	107154	19.728	ug/l 100
8) Diethyl Ether	2.17	74	36924	18.682	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59582	20.668	ug/l 90
10) 1,1-Dichloroethene	2.36	96	59792	21.030	ug/l 95
11) Methyl Iodide	2.49	142	61971	16.324	ug/l 98
12) Methyl Acetate	2.75	43	81453	22.712	ug/l 100
13) Acrolein	2.27	56	50185	88.681	ug/l 98
14) Acrylonitrile	3.12	53	182627	107.515	ug/l 99
15) Acetone	2.42	58	48387	110.075	ug/l 97
16) Carbon Disulfide	2.55	76	165554	18.523	ug/l 98
17) Allyl chloride	2.71	41	104972	19.722	ug/l 97
18) Methylene Chloride	2.84	84	70673	20.637	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	67555	20.971	ug/l 99
20) Diisopropyl ether	3.82	45	212491	19.977	ug/l 98
21) 1,1-Dichloroethane	3.67	63	119288	20.338	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	74808	20.857	ug/l 93
23) tert-Butyl Alcohol	3.01	59	74249	98.679	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	216214	21.298	ug/l 98
25) Chloroform	5.18	83	125903	21.172	ug/l 99
26) Cyclohexane	5.55	56	94210	18.413	ug/l # 96
29) 1,1-Dichloropropene	5.77	75	88772	20.746	ug/l 98
30) 2-Butanone	4.64	43	249213	111.733	ug/l 99
31) 2,2-Dichloropropane	4.55	77	87877	17.907	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	115404	22.288	ug/l 98
33) Carbon Tetrachloride	5.75	117	105944	23.072	ug/l 96
34) Benzene	6.12	78	265434	21.304	ug/l 96
35) Methacrylonitrile	5.01	41	52987	21.526	ug/l 93
36) 1,2-Dichloroethane	6.16	62	102713	21.525	ug/l 99
37) Trichloroethene	7.19	130	78024	22.949	ug/l 87
38) Methylcyclohexane	7.44	83	90869	18.647	ug/l 98
39) 1,2-Dichloropropane	7.49	63	65675	20.232	ug/l 98
40) Dibromomethane	7.64	93	48263	21.573	ug/l 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	100200	21.629	ug/l	91
42) Vinyl Acetate	3.79	43	927029	103.139	ug/l	99
43) Ethyl Acetate	4.80	43	97721	21.151	ug/l	100
44) Isopropyl Acetate	6.42	43	153711	20.185	ug/l	97
45) 1,4-Dioxane	7.71	88	30387	395.528	ug/l	96
46) Methyl methacrylate	7.74	41	74144	21.039	ug/l	96
47) n-amyl Acetate	10.88	43	132149	19.632	ug/l	94
48) t-1,3-Dichloropropene	9.02	75	105547	20.606	ug/l	95
49) cis-1,3-Dichloropropene	8.42	75	112926	20.978	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	69558	22.278	ug/l	99
51) Ethyl methacrylate	9.16	69	101360	21.153	ug/l	96
52) 1,3-Dichloropropane	9.35	76	117452	21.911	ug/l	98
53) Dibromochloromethane	9.57	129	82989	23.125	ug/l	99
54) 1,2-Dibromoethane	9.65	107	75208	22.700	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	242824	96.300	ug/l	97
56) Bromoform	10.84	173	65326	25.644	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	488988	105.205	ug/l	97
59) 2-Hexanone	9.47	43	370525	106.815	ug/l	97
61) Tetrachloroethene	9.32	164	79105	24.582	ug/l	88
62) Toluene	8.76	91	286846	20.784	ug/l	100
64) Chlorobenzene	10.12	112	187639	21.701	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	74574	22.911	ug/l	98
66) Ethyl Benzene	10.23	91	313512	20.485	ug/l	99
67) m/p-Xylenes	10.34	106	247108	42.800	ug/l	97
68) o-Xylene	10.68	106	117399	21.168	ug/l	98
69) Styrene	10.70	104	206403	21.736	ug/l	96
70) Isopropylbenzene	11.00	105	315767	20.992	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	100729	21.804	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	100515m	22.657	ug/l	
73) Bromobenzene	11.24	156	89267	23.514	ug/l	94
74) n-propylbenzene	11.34	91	363090	20.330	ug/l	99
75) 2-Chlorotoluene	11.40	91	223696	21.479	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	271447	21.499	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	35055	19.498	ug/l	97
78) 4-Chlorotoluene	11.49	91	264023	21.411	ug/l	99
79) tert-butylbenzene	11.76	119	262181	21.676	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	274000	21.616	ug/l	97
81) sec-Butylbenzene	11.93	105	298952	20.414	ug/l	99
82) p-Isopropyltoluene	12.05	119	277921	21.019	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	158958	23.366	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	161699	23.656	ug/l	98
85) n-Butylbenzene	12.37	91	227046	18.551	ug/l	98
86) Hexachloroethane	12.58	117	53910	20.833	ug/l	86
87) 1,2-Dichlorobenzene	12.38	146	149705	23.510	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	25440	24.204	ug/l	93
89) 1,2,4-Trichlorobenzene	13.63	180	97859	22.779	ug/l	99
90) Hexachlorobutadiene	13.76	225	38941	23.828	ug/l	99
91) Naphthalene	13.82	128	321749	22.849	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	99462	23.724	ug/l	98

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

