

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033779.D
 Acq On : 18 Jan 2023 17:05
 Operator : JC/MD
 Sample : VX0118WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0118WBS01

Quant Time: Jan 19 03:31:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/19/2023
 Supervised By : Mahesh Dadoda 01/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.897	128	15905	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	110341	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	119306	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	37851	30.752	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.500%			
60) 4-Bromofluorobenzene	11.079	95	64350	30.171	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.567%			
63) Toluene-d8	8.647	98	115762	30.412	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.367%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29823	20.467	ug/l	97
3) Chloromethane	1.294	50	34074	20.795	ug/l	100
4) Vinyl Chloride	1.374	62	33048	20.548	ug/l	99
5) Bromomethane	1.618	94	19976	19.267	ug/l	97
6) Chloroethane	1.691	64	18637	21.663	ug/l	95
7) Trichlorofluoromethane	1.892	101	49822	20.951	ug/l	98
8) Diethyl Ether	2.136	74	17998	20.081	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	29702	20.640	ug/l	99
10) 1,1-Dichloroethene	2.325	96	29244	20.688	ug/l	96
11) Methyl Iodide	2.453	142	43291	20.300	ug/l	99
12) Methyl Acetate	2.703	43	54054	21.913	ug/l	97
13) Acrolein	2.239	56	23701	85.906	ug/l	99
14) Acrylonitrile	3.062	53	87801	109.255	ug/l	99
15) Acetone	2.386	58	25254	104.508	ug/l	96
16) Carbon Disulfide	2.514	76	69038	19.923	ug/l	99
17) Allyl chloride	2.666	41	52845	20.712	ug/l	99
18) Methylene Chloride	2.788	84	33415	20.995	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	31663	20.806	ug/l	97
20) Diisopropyl ether	3.757	45	107380	21.470	ug/l	96
21) 1,1-Dichloroethane	3.611	63	57247	20.917	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	37651	21.056	ug/l	99
23) tert-Butyl Alcohol	2.983	59	26528	95.528	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	97874	20.912	ug/l	99
25) Chloroform	5.093	83	59571	21.643	ug/l	99
26) Cyclohexane	5.471	56	51110	20.493	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	43449	20.501	ug/l	99
30) 2-Butanone	4.556	43	125836	107.467	ug/l	100
31) 2,2-Dichloropropane	4.477	77	38681	19.244	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	49563	20.308	ug/l	99
33) Carbon Tetrachloride	5.678	117	44163	20.217	ug/l	97
34) Benzene	6.037	78	129671	20.615	ug/l	98
35) Methacrylonitrile	4.922	41	26853	21.059	ug/l	97
36) 1,2-Dichloroethane	6.092	62	45262	20.457	ug/l	100
37) Trichloroethene	7.129	130	36499	20.547	ug/l	96
38) Methylcyclohexane	7.385	83	51848	20.332	ug/l	98
39) 1,2-Dichloropropane	7.427	63	33087	21.487	ug/l	97
40) Dibromomethane	7.580	93	22859	20.885	ug/l	93
41) Bromodichloromethane	7.824	83	43142	20.659	ug/l	98
42) Vinyl Acetate	3.721	43	405819	103.148	ug/l	100

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43) Ethyl Acetate	4.715	43	46694	20.400	ug/l	100
44) Isopropyl Acetate	6.336	43	71040	20.411	ug/l	98
45) 1,4-Dioxane	7.696	88	12897	358.544	ug/l #	95
46) Methyl methacrylate	7.690	41	37049	20.964	ug/l	97
47) n-amyl Acetate	10.842	43	60559	20.626	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	41997	19.089	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	48510	19.534	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	34259	21.100	ug/l	99
51) Ethyl methacrylate	9.116	69	50236	20.884	ug/l	93
52) 1,3-Dichloropropane	9.305	76	56203	20.540	ug/l	99
53) Dibromochloromethane	9.519	129	35220	19.861	ug/l	100
54) 1,2-Dibromoethane	9.610	107	36463	20.790	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	107013	94.753	ug/l	99
56) Bromoform	10.799	173	26956	19.586	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	236491	110.279	ug/l	98
59) 2-Hexanone	9.427	43	174581	108.349	ug/l	96
61) Tetrachloroethene	9.275	164	33492	21.319	ug/l	98
62) Toluene	8.720	91	140337	21.029	ug/l	100
64) Chlorobenzene	10.079	112	91787	20.631	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	33523	20.235	ug/l	99
66) Ethyl Benzene	10.195	91	157574	20.632	ug/l	98
67) m/p-Xylenes	10.299	106	126278	41.868	ug/l	96
68) o-Xylene	10.640	106	62172	20.787	ug/l	99
69) Styrene	10.653	104	100927	20.515	ug/l	99
70) Isopropylbenzene	10.963	105	160244	20.800	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	51093	22.118	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	45540m	21.637	ug/l	
73) Bromobenzene	11.195	156	43076	20.646	ug/l	97
74) n-propylbenzene	11.305	91	178194	20.361	ug/l	99
75) 2-Chlorotoluene	11.366	91	110172	21.163	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	133736	20.932	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	12850	19.870	ug/l	95
78) 4-Chlorotoluene	11.451	91	122498	20.916	ug/l	98
79) tert-butylbenzene	11.713	119	136224	20.831	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	134379	21.214	ug/l	99
81) sec-Butylbenzene	11.890	105	164865	20.718	ug/l	100
82) p-Isopropyltoluene	12.012	119	142414	20.660	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	77567	20.577	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	79402	21.016	ug/l	100
85) n-Butylbenzene	12.329	91	113858	20.309	ug/l	100
86) Hexachloroethane	12.536	117	21304	19.552	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	78536	21.614	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	9481	20.055	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	52057	20.590	ug/l	98
90) Hexachlorobutadiene	13.725	225	23956	20.207	ug/l	99
91) Naphthalene	13.774	128	162129	21.876	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	53043	21.390	ug/l	99

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

