

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
 Data File : VX041579.D
 Acq On : 21 May 2024 10:49
 Operator : JC/MD
 Sample : VX0521WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/22/2024
 Supervised By :Semsettin Yesilyurt 05/22/2024

Quant Time: May 22 02:52:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	34577	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	181461	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	172889	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	80919	29.718	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.067%		
60) 4-Bromofluorobenzene	11.079	95	83738	31.026	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.433%		
63) Toluene-d8	8.647	98	217866	29.397	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	33740	18.656	ug/l	97
3) Chloromethane	1.301	50	35110	17.728	ug/l	99
4) Vinyl Chloride	1.374	62	36637	17.571	ug/l	94
5) Bromomethane	1.599	94	23683	17.858	ug/l	97
6) Chloroethane	1.666	64	22730	21.562	ug/l	93
7) Trichlorofluoromethane	1.868	101	63692	20.124	ug/l	99
8) Diethyl Ether	2.136	74	24729	20.923	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	38018	20.715	ug/l	98
10) 1,1-Dichloroethene	2.307	96	34926	19.743	ug/l	92
11) Methyl Iodide	2.447	142	37883	17.979	ug/l	97
12) Methyl Acetate	2.703	43	62806	23.573	ug/l	94
13) Acrolein	2.239	56	32159	99.148	ug/l	97
14) Acrylonitrile	3.069	53	124317	106.128	ug/l	99
15) Acetone	2.386	58	39124	124.657	ug/l	99
16) Carbon Disulfide	2.502	76	75880	18.998	ug/l	99
17) Allyl chloride	2.660	41	63843	20.336	ug/l	97
18) Methylene Chloride	2.782	84	43111	20.490	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	37478	18.475	ug/l	96
20) Diisopropyl ether	3.764	45	137042	20.776	ug/l	93
21) 1,1-Dichloroethane	3.605	63	71443	19.299	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	47110	19.111	ug/l	98
23) tert-Butyl Alcohol	3.001	59	48843	98.256	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	139012	21.048	ug/l	98
25) Chloroform	5.086	83	77929	19.760	ug/l	99
26) Cyclohexane	5.458	56	56671	18.357	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	48240	20.097	ug/l	99
30) 2-Butanone	4.562	43	189393	118.871	ug/l	100
31) 2,2-Dichloropropane	4.465	77	58641	20.816	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	65503	20.337	ug/l	99
33) Carbon Tetrachloride	5.672	117	56984	20.678	ug/l	98
34) Benzene	6.031	78	158437	20.900	ug/l	99
35) Methacrylonitrile	4.922	41	38199	23.767	ug/l	97
36) 1,2-Dichloroethane	6.086	62	62664	22.151	ug/l	99
37) Trichloroethene	7.123	130	42968	20.343	ug/l	99
38) Methylcyclohexane	7.373	83	60585	19.878	ug/l	100
39) 1,2-Dichloropropane	7.428	63	39423	21.999	ug/l	98
40) Dibromomethane	7.580	93	31609	22.412	ug/l	99
41) Bromodichloromethane	7.818	83	58995	22.281	ug/l	99
42) Vinyl Acetate	3.721	43	634083	114.705	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	69808	22.708	ug/l	# 80
44) Isopropyl Acetate	6.342	43	107332	23.097	ug/l	99
45) 1,4-Dioxane	7.665	88	21628m	412.685	ug/l	
46) Methyl methacrylate	7.696	41	53910	23.316	ug/l	97
47) n-amyl Acetate	10.842	43	96358	22.866	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	58328	21.936	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	62836	21.817	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	45253	23.065	ug/l	96
51) Ethyl methacrylate	9.116	69	71512	22.645	ug/l	95
52) 1,3-Dichloropropane	9.305	76	73123	22.554	ug/l	99
53) Dibromochloromethane	9.519	129	50824	22.767	ug/l	100
54) 1,2-Dibromoethane	9.610	107	47962	23.053	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	195101	126.570	ug/l	99
56) Bromoform	10.799	173	41216	23.045	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	371261	117.527	ug/l	100
59) 2-Hexanone	9.433	43	292013	116.037	ug/l	100
61) Tetrachloroethene	9.269	164	42152	19.928	ug/l	94
62) Toluene	8.714	91	176618	20.531	ug/l	100
64) Chlorobenzene	10.079	112	121471	20.788	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	44454	21.494	ug/l	99
66) Ethyl Benzene	10.195	91	196526	20.573	ug/l	98
67) m/p-Xylenes	10.299	106	156022	41.768	ug/l	98
68) o-Xylene	10.640	106	77832	20.699	ug/l	100
69) Styrene	10.653	104	131824	20.909	ug/l	99
70) Isopropylbenzene	10.963	105	201123	21.168	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	75187	23.035	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	61382m	20.853	ug/l	
73) Bromobenzene	11.195	156	58385	20.913	ug/l	99
74) n-propylbenzene	11.305	91	220971	20.625	ug/l	100
75) 2-Chlorotoluene	11.360	91	139993	20.808	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	169666	20.921	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	20923	22.615	ug/l	88
78) 4-Chlorotoluene	11.451	91	160564	20.954	ug/l	99
79) tert-butylbenzene	11.713	119	181034	20.974	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	171008	21.038	ug/l	100
81) sec-Butylbenzene	11.890	105	208275	20.650	ug/l	100
82) p-Isopropyltoluene	12.006	119	182475	20.667	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	104387	20.848	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	106752	21.101	ug/l	99
85) n-Butylbenzene	12.329	91	145061	20.418	ug/l	99
86) Hexachloroethane	12.536	117	30093	20.245	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	106111	20.763	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	16714	23.317	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	72170	21.018	ug/l	100
90) Hexachlorobutadiene	13.725	225	36480	21.776	ug/l	98
91) Naphthalene	13.774	128	230444	22.454	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	76408	21.779	ug/l	100

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

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