

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060723\
 Data File : VX036050.D
 Acq On : 07 Jun 2023 08:53
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Jun 08 07:20:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John

Carlone

06/08/2023

Supervised By :Mahesh

Dadoda

06/08/2023

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

Internal Standards						
1) Bromochloromethane	4.897	128	35794	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	199908	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	185206	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	103540	34.814	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.033%#			
60) 4-Bromofluorobenzene	11.079	95	102967	33.133	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 110.433%			
63) Toluene-d8	8.647	98	249408	30.462	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.533%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	45164	24.675	ug/l	96
3) Chloromethane	1.294	50	43225	19.249	ug/l	97
4) Vinyl Chloride	1.374	62	42570	20.173	ug/l	95
5) Bromomethane	1.617	94	27122	19.105	ug/l	99
6) Chloroethane	1.691	64	25683	19.305	ug/l	98
7) Trichlorofluoromethane	1.886	101	68599	21.443	ug/l	98
8) Diethyl Ether	2.130	74	25516	19.184	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	39857	23.157	ug/l	98
10) 1,1-Dichloroethene	2.319	96	35605	19.844	ug/l	92
11) Methyl Iodide	2.453	142	33642	15.521	ug/l	96
12) Methyl Acetate	2.703	43	110660	21.826	ug/l	99
13) Acrolein	2.239	56	41144	102.660	ug/l	99
14) Acrylonitrile	3.068	53	131694	103.617	ug/l	98
15) Acetone	2.392	58	44182	116.219	ug/l	93
16) Carbon Disulfide	2.514	76	75742	19.451	ug/l	100
17) Allyl chloride	2.666	41	73197	20.221	ug/l	98
18) Methylene Chloride	2.788	84	43030	18.415	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	39049	19.306	ug/l	91
20) Diisopropyl ether	3.757	45	155315	19.875	ug/l	97
21) 1,1-Dichloroethane	3.605	63	83715	20.438	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	48096	19.217	ug/l	95
23) tert-Butyl Alcohol	2.995	59	49707	107.141	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	148949	20.597	ug/l	95
25) Chloroform	5.092	83	90495	21.530	ug/l	100
26) Cyclohexane	5.464	56	63843	20.609	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	59287	21.297	ug/l	97
30) 2-Butanone	4.556	43	207912	114.093	ug/l	99
31) 2,2-Dichloropropane	4.471	77	64365	21.521	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	72726	22.371	ug/l	97
33) Carbon Tetrachloride	5.672	117	58959	22.968	ug/l	95
34) Benzene	6.037	78	176979	20.152	ug/l	99
35) Methacrylonitrile	4.922	41	42460	21.835	ug/l	98
36) 1,2-Dichloroethane	6.086	62	79650	23.305	ug/l	98
37) Trichloroethene	7.123	130	43430	19.674	ug/l	93
38) Methylcyclohexane	7.379	83	62964	20.624	ug/l	95
39) 1,2-Dichloropropane	7.427	63	47438	20.068	ug/l	94
40) Dibromomethane	7.580	93	33931	21.223	ug/l	92
41) Bromodichloromethane	7.818	83	63793	22.072	ug/l #	95
42) Vinyl Acetate	3.721	43	552939	103.300	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	73240	21.074	ug/l	100
44) Isopropyl Acetate	6.336	43	114840	20.272	ug/l	98
45) 1,4-Dioxane	7.702	88	23321	433.427	ug/l #	85
46) Methyl methacrylate	7.690	41	58449	21.354	ug/l	96
47) n-amyl Acetate	10.841	43	96462	20.272	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	66276	20.728	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	72204	20.462	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	48057	21.010	ug/l	98
51) Ethyl methacrylate	9.116	69	72136	20.459	ug/l	97
52) 1,3-Dichloropropane	9.305	76	83124	20.854	ug/l	98
53) Dibromochloromethane	9.518	129	43958	20.956	ug/l	99
54) 1,2-Dibromoethane	9.610	107	49184	20.697	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	196904	105.234	ug/l	100
56) Bromoform	10.799	173	28065	20.639	ug/l	98
58) 4-Methyl-2-Pentanone	8.567	43	390034	108.422	ug/l	99
59) 2-Hexanone	9.427	43	301357	111.332	ug/l	98
61) Tetrachloroethene	9.275	164	35308	19.795	ug/l	95
62) Toluene	8.714	91	191574	20.086	ug/l	100
64) Chlorobenzene	10.079	112	119149	19.725	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	43446	20.573	ug/l	99
66) Ethyl Benzene	10.195	91	219371	20.566	ug/l	97
67) m/p-Xylenes	10.299	106	162966	40.364	ug/l	96
68) o-Xylene	10.640	106	80361	19.899	ug/l	93
69) Styrene	10.652	104	135673	20.355	ug/l	96
70) Isopropylbenzene	10.963	105	214012	20.761	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	76135	20.852	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	66837m	21.018	ug/l	
73) Bromobenzene	11.195	156	49431	19.738	ug/l	88
74) n-propylbenzene	11.305	91	253368	20.621	ug/l	99
75) 2-Chlorotoluene	11.360	91	162663	21.552	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	186534	21.306	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	17611	18.358	ug/l	83
78) 4-Chlorotoluene	11.451	91	185458	21.569	ug/l	98
79) tert-butylbenzene	11.713	119	172062	20.358	ug/l	95
80) 1,2,4-Trimethylbenzene	11.750	105	187149	21.271	ug/l	96
81) sec-Butylbenzene	11.890	105	213464	20.004	ug/l	98
82) p-Isopropyltoluene	12.006	119	178410	20.097	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	94479	19.933	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	96047	20.189	ug/l	98
85) n-Butylbenzene	12.329	91	158193	20.030	ug/l	99
86) Hexachloroethane	12.536	117	26765	19.145	ug/l	92
87) 1,2-Dichlorobenzene	12.335	146	94158	20.275	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15931	22.830	ug/l	82
89) 1,2,4-Trichlorobenzene	13.585	180	50845	18.269	ug/l	98
90) Hexachlorobutadiene	13.725	225	19474	18.981	ug/l	94
91) Naphthalene	13.774	128	182725	18.972	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	50258	18.086	ug/l	98

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

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