

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042961.D
 Acq On : 08 Aug 2024 17:43
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 09 05:39:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

08/09/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.904	128	40166	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	225403	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	211111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	102750	27.703	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.333%
60) 4-Bromofluorobenzene	11.079	95	101024	29.332	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.767%
63) Toluene-d8	8.647	98	286901	30.086	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43796	18.542	ug/l	98
3) Chloromethane	1.301	50	40125	18.508	ug/l	99
4) Vinyl Chloride	1.374	62	41327	17.856	ug/l	100
5) Bromomethane	1.599	94	24458	17.339	ug/l	99
6) Chloroethane	1.666	64	23972	17.416	ug/l	100
7) Trichlorofluoromethane	1.874	101	70097	18.993	ug/l	96
8) Diethyl Ether	2.136	74	28447	19.612	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	48429	19.246	ug/l	97
10) 1,1-Dichloroethene	2.313	96	42859	17.830	ug/l	97
11) Methyl Iodide	2.447	142	43368	19.607	ug/l	97
12) Methyl Acetate	2.709	43	116007	22.078	ug/l	99
13) Acrolein	2.246	56	14126	92.978	ug/l	97
14) Acrylonitrile	3.069	53	150162	94.017	ug/l	99
15) Acetone	2.392	58	38174	73.720	ug/l	94
16) Carbon Disulfide	2.502	76	73046	14.604	ug/l	100
17) Allyl chloride	2.660	41	74415	19.132	ug/l	97
18) Methylene Chloride	2.788	84	53899	19.335	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	42512	17.368	ug/l	89
20) Diisopropyl ether	3.764	45	169807	19.987	ug/l	97
21) 1,1-Dichloroethane	3.605	63	93227	19.296	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	56112	18.268	ug/l	99
23) tert-Butyl Alcohol	2.995	59	60732m	82.476	ug/l	
24) Methyl tert-Butyl Ether	3.123	73	168400	19.357	ug/l	98
25) Chloroform	5.093	83	98569	18.855	ug/l	98
26) Cyclohexane	5.464	56	66552	17.462	ug/l #	51
29) 1,1-Dichloropropene	5.690	75	58397	20.104	ug/l	98
30) 2-Butanone	4.568	43	211854	99.039	ug/l	100
31) 2,2-Dichloropropane	4.471	77	64022	18.862	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	83835	20.847	ug/l	98
33) Carbon Tetrachloride	5.678	117	67876	19.731	ug/l	98
34) Benzene	6.038	78	197795	21.269	ug/l	99
35) Methacrylonitrile	4.928	41	43254	21.403	ug/l	94
36) 1,2-Dichloroethane	6.086	62	73589	21.441	ug/l	100
37) Trichloroethene	7.129	130	47180	20.040	ug/l	99
38) Methylcyclohexane	7.379	83	65279	18.133	ug/l	96
39) 1,2-Dichloropropane	7.434	63	49986	21.085	ug/l	93
40) Dibromomethane	7.586	93	37257	20.814	ug/l	98
41) Bromodichloromethane	7.824	83	72347	20.382	ug/l	99
42) Vinyl Acetate	3.727	43	635741	101.617	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	72587	20.228	ug/l	99
44) Isopropyl Acetate	6.348	43	116141	20.110	ug/l	98
45) 1,4-Dioxane	7.671	88	26162m	432.712	ug/l	
46) Methyl methacrylate	7.696	41	57816	20.145	ug/l	96
47) n-amyl Acetate	10.842	43	95250	19.280	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	63481	18.656	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	71413	19.379	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	54385	22.277	ug/l	98
51) Ethyl methacrylate	9.116	69	79540	19.912	ug/l	99
52) 1,3-Dichloropropane	9.311	76	86687	21.637	ug/l	99
53) Dibromochloromethane	9.519	129	53721	18.908	ug/l	100
54) 1,2-Dibromoethane	9.610	107	52931	20.847	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	176609	95.737	ug/l	99
56) Bromoform	10.799	173	37168	18.250	ug/l	96
58) 4-Methyl-2-Pentanone	8.574	43	427148	107.443	ug/l	99
59) 2-Hexanone	9.433	43	315980	100.557	ug/l	99
61) Tetrachloroethene	9.275	164	43019	20.525	ug/l	93
62) Toluene	8.720	91	210588	20.366	ug/l	100
64) Chlorobenzene	10.079	112	133994	20.247	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	48888	20.350	ug/l	99
66) Ethyl Benzene	10.195	91	229012	19.927	ug/l	98
67) m/p-Xylenes	10.299	106	173289	39.881	ug/l	99
68) o-Xylene	10.640	106	86611	20.221	ug/l	98
69) Styrene	10.653	104	146424	19.852	ug/l	99
70) Isopropylbenzene	10.963	105	226327	20.076	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	84975	20.900	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	68069m	20.495	ug/l	
73) Bromobenzene	11.195	156	57055	19.918	ug/l	98
74) n-propylbenzene	11.305	91	251733	19.089	ug/l	99
75) 2-Chlorotoluene	11.366	91	162535	20.193	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	189746	19.858	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	20280	17.174	ug/l	87
78) 4-Chlorotoluene	11.451	91	178920	19.382	ug/l	99
79) tert-butylbenzene	11.713	119	192585	19.643	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	187003	19.838	ug/l	100
81) sec-Butylbenzene	11.890	105	233409	19.424	ug/l	99
82) p-Isopropyltoluene	12.006	119	188976	18.779	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	100889	19.136	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	99915	18.850	ug/l	99
85) n-Butylbenzene	12.335	91	151847	16.742	ug/l	99
86) Hexachloroethane	12.536	117	32080	17.664	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	105249	20.039	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	17062	18.576	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	59286	17.350	ug/l	99
90) Hexachlorobutadiene	13.725	225	26332	17.833	ug/l	97
91) Naphthalene	13.774	128	209211	18.188	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	62754	18.186	ug/l	98

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

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