

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081624\
 Data File : VX043072.D
 Acq On : 16 Aug 2024 14:39
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 16 23:55:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/19/2024
 Supervised By :Semsettin Yesilyurt 08/19/2024

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

Internal Standards						
1) Bromochloromethane	4.897	128	18460	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	92782	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	81458	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	42444	28.404	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.667%		
60) 4-Bromofluorobenzene	11.079	95	37396	27.043	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.133%		
63) Toluene-d8	8.647	98	109181	29.178	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.267%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11856	11.269	ug/l	99
3) Chloromethane	1.300	50	26698	16.871	ug/l	95
4) Vinyl Chloride	1.374	62	22954	15.456	ug/l	97
5) Bromomethane	1.599	94	9739	25.194	ug/l	95
6) Chloroethane	1.666	64	12652	32.267	ug/l	95
7) Trichlorofluoromethane	1.874	101	24093	17.321	ug/l	97
8) Diethyl Ether	2.136	74	17700	26.796	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	13738	11.166	ug/l	98
10) 1,1-Dichloroethene	2.306	96	17936	14.100	ug/l	98
11) Methyl Iodide	2.440	142	22932	16.269	ug/l	92
12) Methyl Acetate	2.703	43	45750	19.909	ug/l	97
13) Acrolein	2.239	56	30524	80.755	ug/l	93
14) Acrylonitrile	3.068	53	85040	97.105	ug/l	97
15) Acetone	2.386	58	20967	86.129	ug/l	87
16) Carbon Disulfide	2.501	76	49885	13.268	ug/l	99
17) Allyl chloride	2.654	41	40053	16.015	ug/l	94
18) Methylene Chloride	2.782	84	27404	18.605	ug/l	94
19) trans-1,2-Dichloroethene	3.087	96	20750	15.529	ug/l	95
20) Diisopropyl ether	3.757	45	88515	18.107	ug/l #	85
21) 1,1-Dichloroethane	3.605	63	43875	16.795	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	28387	17.730	ug/l	91
23) tert-Butyl Alcohol	2.983	59	34515	90.842	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	84687	18.861	ug/l	100
25) Chloroform	5.086	83	42889	17.646	ug/l	96
26) Cyclohexane	5.464	56	24336	10.142	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	22005	15.420	ug/l	98
30) 2-Butanone	4.556	43	113227	110.970	ug/l	99
31) 2,2-Dichloropropane	4.465	77	23813	13.460	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	30774	17.914	ug/l	99
33) Carbon Tetrachloride	5.666	117	23647	16.828	ug/l	99
34) Benzene	6.031	78	93597	19.814	ug/l	95
35) Methacrylonitrile	4.916	41	24660	23.184	ug/l	96
36) 1,2-Dichloroethane	6.080	62	33210	22.787	ug/l	96
37) Trichloroethene	7.123	130	19538	18.380	ug/l	100
38) Methylcyclohexane	7.373	83	25060	12.818	ug/l	98
39) 1,2-Dichloropropane	7.427	63	23895	20.408	ug/l	95
40) Dibromomethane	7.580	93	18423	23.388	ug/l	97
41) Bromodichloromethane	7.818	83	33914	21.572	ug/l	98
42) Vinyl Acetate	3.721	43	536983	115.837	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	45310	23.216	ug/l	99
44) Isopropyl Acetate	6.336	43	70806	22.269	ug/l	97
45) 1,4-Dioxane	7.665	88	11666	380.074	ug/l	97
46) Methyl methacrylate	7.690	41	33144	22.068	ug/l	95
47) n-amyl Acetate	10.841	43	58288	20.763	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	32882	18.850	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	36808	19.335	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	24572	22.642	ug/l	97
51) Ethyl methacrylate	9.116	69	44424	21.554	ug/l	98
52) 1,3-Dichloropropane	9.305	76	42034	22.075	ug/l	99
53) Dibromochloromethane	9.518	129	26104	22.147	ug/l	100
54) 1,2-Dibromoethane	9.610	107	26051	23.129	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	106215	112.485	ug/l	99
56) Bromoform	10.799	173	18237	22.147	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	228008	121.040	ug/l	98
59) 2-Hexanone	9.427	43	171739	116.773	ug/l	99
61) Tetrachloroethene	9.269	164	15520	18.062	ug/l	98
62) Toluene	8.714	91	90398	19.427	ug/l	100
64) Chlorobenzene	10.079	112	56674	19.862	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	20159	20.801	ug/l	95
66) Ethyl Benzene	10.195	91	87774	17.358	ug/l	95
67) m/p-Xylenes	10.299	106	67975	35.945	ug/l	94
68) o-Xylene	10.640	106	35565	18.593	ug/l	97
69) Styrene	10.652	104	61796	19.387	ug/l	96
70) Isopropylbenzene	10.963	105	79016	16.652	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	40471	23.020	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	31985m	21.258	ug/l	
73) Bromobenzene	11.195	156	22470	20.616	ug/l	98
74) n-propylbenzene	11.305	91	87652	15.652	ug/l	99
75) 2-Chlorotoluene	11.360	91	57769	16.677	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	65102	16.821	ug/l	95
77) t-1,4-Dichloro-2-butene	11.018	75	11422	16.261	ug/l	92
78) 4-Chlorotoluene	11.451	91	62124	16.519	ug/l	99
79) tert-butylbenzene	11.713	119	67543	17.134	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	66254	16.791	ug/l	96
81) sec-Butylbenzene	11.890	105	77048	15.473	ug/l	98
82) p-Isopropyltoluene	12.006	119	62465	15.502	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	37901	18.873	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	36793	18.297	ug/l	100
85) n-Butylbenzene	12.329	91	50774	14.153	ug/l	98
86) Hexachloroethane	12.536	117	12390	14.701	ug/l	91
87) 1,2-Dichlorobenzene	12.335	146	39872	19.965	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8206	20.080	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	21664	18.332	ug/l	99
90) Hexachlorobutadiene	13.725	225	6938	15.750	ug/l	95
91) Naphthalene	13.774	128	95712	20.725	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	22632	18.774	ug/l	97

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

