

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042837.D
 Acq On : 02 Aug 2024 12:52
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024
 Supervised By :Semsettin Yesilyurt 08/05/2024

Quant Time: Aug 02 21:19:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:18:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	15982	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	94794	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	90447	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44530	36.675	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 122.233%#			
60) 4-Bromofluorobenzene	11.079	95	42469	29.543	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.467%			
63) Toluene-d8	8.647	98	117145	29.606	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6505	6.551	ug/l	94
3) Chloromethane	1.301	50	4286	4.437	ug/l	90
4) Vinyl Chloride	1.374	62	4419	4.617	ug/l	92
5) Bromomethane	1.605	94	2710	5.204	ug/l #	78
6) Chloroethane	1.685	64	2712	6.029	ug/l	99
7) Trichlorofluoromethane	1.886	101	8017	6.266	ug/l	94
8) Diethyl Ether	2.136	74	2627	4.981	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	5906	5.960	ug/l	87
10) 1,1-Dichloroethene	2.313	96	5205	5.532	ug/l #	91
11) Methyl Iodide	2.447	142	4195	4.021	ug/l	81
12) Methyl Acetate	2.709	43	6519	4.043	ug/l	96
13) Acrolein	2.239	56	2807	16.565	ug/l	99
14) Acrylonitrile	3.068	53	15633	26.639	ug/l	96
15) Acetone	2.386	58	7825	44.612	ug/l	97
16) Carbon Disulfide	2.508	76	11600	6.175	ug/l	96
17) Allyl chloride	2.666	41	7602	5.210	ug/l	70
18) Methylene Chloride	2.788	84	7277	6.605	ug/l	90
19) trans-1,2-Dichloroethene	3.087	96	5475	5.722	ug/l	93
20) Diisopropyl ether	3.763	45	14583	4.672	ug/l #	72
21) 1,1-Dichloroethane	3.611	63	9848	5.430	ug/l	95
22) cis-1,2-Dichloroethene	4.495	96	6666	5.517	ug/l	94
23) tert-Butyl Alcohol	2.971	59	7577	32.855	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	17713	5.497	ug/l	97
25) Chloroform	5.099	83	10966	5.741	ug/l	98
26) Cyclohexane	5.464	56	7666	5.213	ug/l #	98
29) 1,1-Dichloropropene	5.702	75	7211m	5.725	ug/l	
30) 2-Butanone	4.568	43	25248	30.050	ug/l #	93
31) 2,2-Dichloropropane	4.477	77	8840	6.003	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	10077	6.026	ug/l #	89
33) Carbon Tetrachloride	5.678	117	7938	5.453	ug/l	97
34) Benzene	6.037	78	21504	5.249	ug/l #	95
35) Methacrylonitrile	4.928	41	3999	4.877	ug/l	97
36) 1,2-Dichloroethane	6.098	62	8603	6.207	ug/l #	85
37) Trichloroethene	7.123	130	5534	5.064	ug/l	97
38) Methylcyclohexane	7.373	83	8401	5.260	ug/l	97
39) 1,2-Dichloropropane	7.434	63	5282	5.238	ug/l	96
40) Dibromomethane	7.586	93	4109	5.504	ug/l	77
41) Bromodichloromethane	7.824	83	7669	5.384	ug/l	93
42) Vinyl Acetate	3.727	43	64874	24.437	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	7927	5.382	ug/l #	89
44) Isopropyl Acetate	6.348	43	11602m	4.974	ug/l	
45) 1,4-Dioxane	7.665	88	2497m	94.572	ug/l	
46) Methyl methacrylate	7.696	41	5139	4.530	ug/l	94
47) n-amyl Acetate	10.848	43	9278	4.518	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	6964	4.970	ug/l	98
49) cis-1,3-Dichloropropene	8.372	75	7854	5.048	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	5263	4.868	ug/l #	87
51) Ethyl methacrylate	9.122	69	7960	4.688	ug/l	95
52) 1,3-Dichloropropane	9.311	76	9403	5.348	ug/l	96
53) Dibromochloromethane	9.525	129	5626	4.739	ug/l	98
54) 1,2-Dibromoethane	9.610	107	5749	5.114	ug/l	94
55) 2-Chloroethyl vinyl ether	8.244	63	17706	21.635	ug/l	98
56) Bromoform	10.799	173	3624	3.866	ug/l #	95
58) 4-Methyl-2-Pentanone	8.574	43	38174	23.514	ug/l	96
59) 2-Hexanone	9.433	43	32267	25.313	ug/l	99
61) Tetrachloroethene	9.275	164	5089	4.665	ug/l #	79
62) Toluene	8.720	91	24783	5.407	ug/l	97
64) Chlorobenzene	10.079	112	16010	5.150	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.165	131	5308	4.757	ug/l	94
66) Ethyl Benzene	10.195	91	25453	5.041	ug/l	97
67) m/p-Xylenes	10.305	106	19938	9.901	ug/l	95
68) o-Xylene	10.646	106	9180	4.576	ug/l	86
69) Styrene	10.659	104	15088	4.489	ug/l #	91
70) Isopropylbenzene	10.963	105	25077	4.919	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	9231	5.249	ug/l	98
72) 1,2,3-Trichloropropane	11.244	75	7145m	5.097	ug/l	
73) Bromobenzene	11.201	156	6304	4.476	ug/l	85
74) n-propylbenzene	11.305	91	29234	5.139	ug/l	94
75) 2-Chlorotoluene	11.366	91	18060	5.046	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	21140	4.942	ug/l	93
77) t-1,4-Dichloro-2-butene	11.018	75	2103	4.048	ug/l	97
78) 4-Chlorotoluene	11.457	91	20801	5.207	ug/l	93
79) tert-butylbenzene	11.713	119	20514	4.546	ug/l	91
80) 1,2,4-Trimethylbenzene	11.756	105	20268	4.723	ug/l	95
81) sec-Butylbenzene	11.890	105	26291	4.887	ug/l	93
82) p-Isopropyltoluene	12.006	119	20501	4.415	ug/l	93
83) 1,3-Dichlorobenzene	11.969	146	11250	4.378	ug/l	94
84) 1,4-Dichlorobenzene	12.042	146	11565	4.523	ug/l	94
85) n-Butylbenzene	12.335	91	17593	4.728	ug/l	97
86) Hexachloroethane	12.536	117	3561	4.460	ug/l	72
87) 1,2-Dichlorobenzene	12.335	146	11158	4.316	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	12.945	75	1971	5.236	ug/l #	70
89) 1,2,4-Trichlorobenzene	13.591	180	6225	3.601	ug/l #	97
90) Hexachlorobutadiene	13.725	225	3164	3.823	ug/l	96
91) Naphthalene	13.774	128	22473	4.233	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	6672	3.772	ug/l	95

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

