

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042846.D
 Acq On : 02 Aug 2024 16:33
 Operator : JC/MD
 Sample : VX0802WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 02 21:35:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:32:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	14727	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	96953	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	87075	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	43495	30.100	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.333%			
60) 4-Bromofluorobenzene	11.079	95	44237	30.458	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.533%			
63) Toluene-d8	8.653	98	117079	30.484	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21051	19.717	ug/l	97
3) Chloromethane	1.301	50	13101	17.941	ug/l	94
4) Vinyl Chloride	1.374	62	15006	20.048	ug/l	99
5) Bromomethane	1.605	94	8663	20.728	ug/l	97
6) Chloroethane	1.691	64	9316	20.902	ug/l	99
7) Trichlorofluoromethane	1.886	101	28367	20.745	ug/l	98
8) Diethyl Ether	2.136	74	9935	19.721	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	20282	20.167	ug/l	90
10) 1,1-Dichloroethene	2.319	96	19210	21.460	ug/l	98
11) Methyl Iodide	2.453	142	15791	17.777	ug/l	94
12) Methyl Acetate	2.709	43	38213	22.231	ug/l	94
13) Acrolein	2.239	56	4852	75.305	ug/l	98
14) Acrylonitrile	3.069	53	58709	99.785	ug/l	99
15) Acetone	2.386	58	17637	87.410	ug/l	97
16) Carbon Disulfide	2.514	76	34838	18.552	ug/l	96
17) Allyl chloride	2.666	41	28252	22.056	ug/l	87
18) Methylene Chloride	2.788	84	24161	21.058	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	19425	20.400	ug/l	95
20) Diisopropyl ether	3.764	45	57488	20.641	ug/l #	82
21) 1,1-Dichloroethane	3.611	63	36449	20.242	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	24269	19.939	ug/l	96
23) tert-Butyl Alcohol	2.971	59	28432	98.025	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	70321	20.406	ug/l	97
25) Chloroform	5.099	83	41848	20.541	ug/l	95
26) Cyclohexane	5.465	56	26720m	20.094	ug/l	
29) 1,1-Dichloropropene	5.690	75	25761	19.192	ug/l	95
30) 2-Butanone	4.562	43	81815	91.142	ug/l	96
31) 2,2-Dichloropropane	4.477	77	32514	19.047	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	38132	19.504	ug/l	98
33) Carbon Tetrachloride	5.678	117	30952	18.857	ug/l	96
34) Benzene	6.044	78	80712	19.440	ug/l	100
35) Methacrylonitrile	4.928	41	15786	18.938	ug/l	90
36) 1,2-Dichloroethane	6.092	62	31875	19.214	ug/l	94
37) Trichloroethene	7.129	130	20548	19.214	ug/l	93
38) Methylcyclohexane	7.385	83	30748	19.313	ug/l	97
39) 1,2-Dichloropropane	7.434	63	18565	18.490	ug/l	94
40) Dibromomethane	7.586	93	15631	18.924	ug/l	83
41) Bromodichloromethane	7.824	83	31379	19.302	ug/l	95
42) Vinyl Acetate	3.727	43	236301	92.807	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	26413	17.690	ug/l	95
44) Isopropyl Acetate	6.348	43	44769	18.682	ug/l	97
45) 1,4-Dioxane	7.665	88	11073	390.515	ug/l	91
46) Methyl methacrylate	7.696	41	21863	18.842	ug/l	85
47) n-amyl Acetate	10.842	43	34585	17.582	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	30047	19.216	ug/l	96
49) cis-1,3-Dichloropropene	8.373	75	31106	18.554	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	21040	18.976	ug/l	98
51) Ethyl methacrylate	9.116	69	32005	18.274	ug/l	90
52) 1,3-Dichloropropane	9.311	76	35137	19.061	ug/l	99
53) Dibromochloromethane	9.519	129	23891	19.153	ug/l	97
54) 1,2-Dibromoethane	9.610	107	22721	19.508	ug/l	97
55) 2-Chloroethyl vinyl ether	8.244	63	78683	98.305	ug/l	99
56) Bromoform	10.799	173	15047	17.907	ug/l #	97
58) 4-Methyl-2-Pentanone	8.574	43	150306	97.949	ug/l	96
59) 2-Hexanone	9.433	43	119834	98.140	ug/l	99
61) Tetrachloroethene	9.275	164	18628	20.459	ug/l #	91
62) Toluene	8.720	91	86373	19.627	ug/l	100
64) Chlorobenzene	10.080	112	59439	20.301	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.165	131	21017	20.084	ug/l	100
66) Ethyl Benzene	10.195	91	100026	20.326	ug/l	98
67) m/p-Xylenes	10.305	106	76188	40.074	ug/l	94
68) o-Xylene	10.640	106	37304	20.114	ug/l	91
69) Styrene	10.659	104	63289	20.098	ug/l	95
70) Isopropylbenzene	10.964	105	99251	20.403	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	33229	19.708	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	27696m	19.038	ug/l	
73) Bromobenzene	11.201	156	23102	19.635	ug/l	83
74) n-propylbenzene	11.305	91	114298	20.394	ug/l	95
75) 2-Chlorotoluene	11.366	91	69463	19.894	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	82813	20.146	ug/l	95
77) t-1,4-Dichloro-2-butene	11.018	75	9232	18.103	ug/l	96
78) 4-Chlorotoluene	11.457	91	79735	19.946	ug/l	94
79) tert-butylbenzene	11.713	119	82539	20.014	ug/l	91
80) 1,2,4-Trimethylbenzene	11.750	105	82621	20.203	ug/l	96
81) sec-Butylbenzene	11.890	105	104621	20.344	ug/l	96
82) p-Isopropyltoluene	12.012	119	86943	20.358	ug/l	93
83) 1,3-Dichlorobenzene	11.969	146	44661	20.337	ug/l	95
84) 1,4-Dichlorobenzene	12.043	146	44994	20.306	ug/l	95
85) n-Butylbenzene	12.329	91	76742	20.655	ug/l	96
86) Hexachloroethane	12.536	117	14592	19.201	ug/l	70
87) 1,2-Dichlorobenzene	12.335	146	45039	20.812	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8242	19.275	ug/l #	68
89) 1,2,4-Trichlorobenzene	13.585	180	28307	21.307	ug/l	96
90) Hexachlorobutadiene	13.725	225	10932	19.515	ug/l	90
91) Naphthalene	13.774	128	99714	20.211	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	27694	20.249	ug/l	94

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

