

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
 Data File : VX042866.D
 Acq On : 06 Aug 2024 13:06
 Operator : JC/MD
 Sample : VX0806WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806WBS01

Quant Time: Aug 07 04:57:48 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 08/07/2024
 Supervised By : Mahesh Dadoda 08/08/2024

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

Internal Standards						
1) Bromochloromethane	4.897	128	42172	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	256305	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	237786	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	111513	28.636	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.467%		
60) 4-Bromofluorobenzene	11.079	95	114200	29.438	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.133%		
63) Toluene-d8	8.647	98	319507	29.747	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.167%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50206	20.245	ug/l	97
3) Chloromethane	1.301	50	45310	19.905	ug/l	98
4) Vinyl Chloride	1.374	62	46555	19.158	ug/l	99
5) Bromomethane	1.593	94	27192	18.360	ug/l	96
6) Chloroethane	1.666	64	27731	19.188	ug/l	96
7) Trichlorofluoromethane	1.874	101	70878	18.291	ug/l	97
8) Diethyl Ether	2.136	74	29918	19.645	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	52533	19.883	ug/l	99
10) 1,1-Dichloroethene	2.306	96	47507	18.824	ug/l	99
11) Methyl Iodide	2.447	142	45293	19.503	ug/l	96
12) Methyl Acetate	2.709	43	121636	22.048	ug/l	98
13) Acrolein	2.239	56	14058	88.129	ug/l	100
14) Acrylonitrile	3.068	53	167782	100.052	ug/l	99
15) Acetone	2.392	58	49788	91.575	ug/l	97
16) Carbon Disulfide	2.502	76	89159	16.977	ug/l	99
17) Allyl chloride	2.660	41	81810	20.033	ug/l	99
18) Methylene Chloride	2.782	84	57522	19.653	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	47371	18.433	ug/l	93
20) Diisopropyl ether	3.763	45	179030	20.070	ug/l	93
21) 1,1-Dichloroethane	3.605	63	100177	19.749	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	62582	19.405	ug/l	98
23) tert-Butyl Alcohol	2.989	59	63395	81.997	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	179400	19.641	ug/l	100
25) Chloroform	5.086	83	107228	19.536	ug/l	97
26) Cyclohexane	5.464	56	75442	18.853	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	63790	19.313	ug/l	100
30) 2-Butanone	4.562	43	241789	99.405	ug/l	98
31) 2,2-Dichloropropane	4.471	77	80033	20.737	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	91362	19.979	ug/l #	85
33) Carbon Tetrachloride	5.672	117	76954	19.673	ug/l	99
34) Benzene	6.031	78	214767	20.310	ug/l	99
35) Methacrylonitrile	4.922	41	48782	21.228	ug/l	96
36) 1,2-Dichloroethane	6.086	62	77151	19.769	ug/l #	93
37) Trichloroethene	7.123	130	53391	19.944	ug/l	97
38) Methylcyclohexane	7.373	83	80174	19.586	ug/l	99
39) 1,2-Dichloropropane	7.427	63	54960	20.388	ug/l	97
40) Dibromomethane	7.580	93	40826	20.058	ug/l	98
41) Bromodichloromethane	7.824	83	78169	19.367	ug/l	98
42) Vinyl Acetate	3.721	43	706458	99.306	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	76785	18.818	ug/l	96
44) Isopropyl Acetate	6.348	43	130854	19.926	ug/l	97
45) 1,4-Dioxane	7.665	88	28141	409.326	ug/l #	73
46) Methyl methacrylate	7.696	41	65653	20.117	ug/l	96
47) n-amyl Acetate	10.841	43	109154	19.430	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	74675	19.300	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	81785	19.518	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	56082	20.202	ug/l	93
51) Ethyl methacrylate	9.116	69	90508	19.926	ug/l	98
52) 1,3-Dichloropropane	9.305	76	91159	20.010	ug/l	98
53) Dibromochloromethane	9.519	129	60958	18.869	ug/l	98
54) 1,2-Dibromoethane	9.610	107	59360	20.560	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	194487	92.717	ug/l	99
56) Bromoform	10.799	173	44286	19.123	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	468851	104.703	ug/l	99
59) 2-Hexanone	9.433	43	362462	102.409	ug/l	100
61) Tetrachloroethene	9.275	164	46948	19.886	ug/l	95
62) Toluene	8.714	91	234605	20.144	ug/l	99
64) Chlorobenzene	10.079	112	149490	20.055	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.165	131	53662	19.831	ug/l	99
66) Ethyl Benzene	10.195	91	261959	20.237	ug/l	99
67) m/p-Xylenes	10.299	106	193764	39.591	ug/l	99
68) o-Xylene	10.640	106	96952	20.096	ug/l	95
69) Styrene	10.653	104	167177	20.123	ug/l	99
70) Isopropylbenzene	10.963	105	256784	20.223	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	95826	20.924	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	76588m	20.473	ug/l	
73) Bromobenzene	11.201	156	64755	20.070	ug/l	98
74) n-propylbenzene	11.305	91	298350	20.086	ug/l	99
75) 2-Chlorotoluene	11.366	91	183656	20.257	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	216749	20.140	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	24796	18.643	ug/l	94
78) 4-Chlorotoluene	11.451	91	207516	19.958	ug/l	100
79) tert-butylbenzene	11.713	119	225848	20.452	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	213051	20.066	ug/l	100
81) sec-Butylbenzene	11.890	105	273744	20.225	ug/l	100
82) p-Isopropyltoluene	12.006	119	224816	19.835	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	118645	19.979	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	118164	19.792	ug/l	98
85) n-Butylbenzene	12.329	91	191717	18.767	ug/l	99
86) Hexachloroethane	12.536	117	38779	18.957	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	120056	20.294	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	20368	19.687	ug/l	95
89) 1,2,4-Trichlorobenzene	13.585	180	71856	18.670	ug/l	96
90) Hexachlorobutadiene	13.725	225	33077	19.888	ug/l	97
91) Naphthalene	13.774	128	252756	19.509	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	76006	19.556	ug/l	99

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

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