

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042844.D
 Acq On : 02 Aug 2024 15:46
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080224

Quant Time: Aug 02 21:34:37 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	4.904	128	15165	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	95700	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	87870	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	42790	28.757	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.867%		
60) 4-Bromofluorobenzene	11.079	95	43468	29.658	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.867%		
63) Toluene-d8	8.647	98	115880	29.899	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.667%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	20621	18.756	ug/l	97
3) Chloromethane	1.301	50	14270	18.977	ug/l	98
4) Vinyl Chloride	1.374	62	14469	18.772	ug/l	91
5) Bromomethane	1.605	94	9091	21.124	ug/l	93
6) Chloroethane	1.691	64	9267	20.192	ug/l	93
7) Trichlorofluoromethane	1.892	101	28786	20.444	ug/l	100
8) Diethyl Ether	2.136	74	9502	18.316	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	20927	20.207	ug/l	88
10) 1,1-Dichloroethene	2.319	96	18688	20.274	ug/l	94
11) Methyl Iodide	2.453	142	16038	17.534	ug/l	88
12) Methyl Acetate	2.709	43	37747	21.325	ug/l	93
13) Acrolein	2.240	56	5108	76.988	ug/l	97
14) Acrylonitrile	3.069	53	58741	96.956	ug/l	98
15) Acetone	2.386	58	18637	89.698	ug/l	94
16) Carbon Disulfide	2.514	76	35897	18.564	ug/l	98
17) Allyl chloride	2.666	41	26970	20.447	ug/l	75
18) Methylene Chloride	2.788	84	23518	19.905	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	19118	19.497	ug/l	98
20) Diisopropyl ether	3.764	45	55961	19.512	ug/l #	88
21) 1,1-Dichloroethane	3.611	63	36469	19.668	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	24354	19.431	ug/l	95
23) tert-Butyl Alcohol	2.965	59	28184	94.363	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	68180	19.214	ug/l	95
25) Chloroform	5.087	83	41359	19.714	ug/l	95
26) Cyclohexane	5.465	56	25571	18.675	ug/l #	60
29) 1,1-Dichloropropene	5.690	75	26313	19.860	ug/l	77
30) 2-Butanone	4.562	43	81987	92.529	ug/l	95
31) 2,2-Dichloropropane	4.477	77	33876	20.104	ug/l	92
32) 1,1,1-Trichloroethane	5.391	97	38093	19.739	ug/l	98
33) Carbon Tetrachloride	5.678	117	31286	19.310	ug/l	91
34) Benzene	6.038	78	78087	19.054	ug/l	100
35) Methacrylonitrile	4.928	41	15474	18.807	ug/l	85
36) 1,2-Dichloroethane	6.086	62	30882	18.859	ug/l #	85
37) Trichloroethene	7.129	130	21565	20.429	ug/l	84
38) Methylcyclohexane	7.379	83	29837	18.986	ug/l	96
39) 1,2-Dichloropropane	7.428	63	18901	19.071	ug/l	96
40) Dibromomethane	7.586	93	15007	18.406	ug/l	83
41) Bromodichloromethane	7.824	83	30408	18.950	ug/l	97
42) Vinyl Acetate	3.721	43	239814	95.420	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	28035	19.022	ug/l #	85
44) Isopropyl Acetate	6.349	43	43121	18.230	ug/l	100
45) 1,4-Dioxane	7.665	88	10210	364.793	ug/l	97
46) Methyl methacrylate	7.696	41	20833	18.189	ug/l	89
47) n-amyl Acetate	10.842	43	36242	18.666	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	30200	19.566	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	31659	19.131	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	21283	19.447	ug/l	96
51) Ethyl methacrylate	9.116	69	31947	18.480	ug/l	95
52) 1,3-Dichloropropane	9.311	76	35563	19.545	ug/l	98
53) Dibromochloromethane	9.519	129	23478	19.069	ug/l	97
54) 1,2-Dibromoethane	9.610	107	22367	19.456	ug/l	99
55) 2-Chloroethyl vinyl ether	8.245	63	81708	103.421	ug/l	99
56) Bromoform	10.799	173	15530	18.724	ug/l #	97
58) 4-Methyl-2-Pentanone	8.574	43	155368	100.332	ug/l	98
59) 2-Hexanone	9.427	43	122515	99.428	ug/l	99
61) Tetrachloroethene	9.275	164	17826	19.401	ug/l #	87
62) Toluene	8.720	91	87607	19.728	ug/l	100
64) Chlorobenzene	10.080	112	59259	20.056	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	20776	19.675	ug/l	98
66) Ethyl Benzene	10.195	91	100131	20.163	ug/l	95
67) m/p-Xylenes	10.299	106	76904	40.085	ug/l	93
68) o-Xylene	10.640	106	37650	20.116	ug/l	94
69) Styrene	10.653	104	64825	20.399	ug/l	95
70) Isopropylbenzene	10.964	105	99240	20.217	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.214	83	32876	19.322	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	30808m	20.986	ug/l	
73) Bromobenzene	11.201	156	24015	20.226	ug/l	86
74) n-propylbenzene	11.305	91	114046	20.165	ug/l	98
75) 2-Chlorotoluene	11.366	91	70047	19.879	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	84274	20.316	ug/l	93
77) t-1,4-Dichloro-2-butene	11.018	75	9361	18.190	ug/l	89
78) 4-Chlorotoluene	11.457	91	80443	19.941	ug/l	94
79) tert-butylbenzene	11.713	119	83902	20.160	ug/l	91
80) 1,2,4-Trimethylbenzene	11.750	105	83076	20.130	ug/l	95
81) sec-Butylbenzene	11.890	105	104635	20.162	ug/l	98
82) p-Isopropyltoluene	12.006	119	90567	21.014	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	45756	20.647	ug/l	95
84) 1,4-Dichlorobenzene	12.043	146	46772	20.917	ug/l	95
85) n-Butylbenzene	12.335	91	76576	20.424	ug/l	98
86) Hexachloroethane	12.543	117	14994	19.552	ug/l	70
87) 1,2-Dichlorobenzene	12.335	146	44870	20.546	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8180	18.956	ug/l #	72
89) 1,2,4-Trichlorobenzene	13.585	180	29065	21.679	ug/l	95
90) Hexachlorobutadiene	13.725	225	12223	21.622	ug/l	98
91) Naphthalene	13.774	128	105177	21.125	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	29477	21.358	ug/l	96

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

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