

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026915.D
 Acq On : 10 Feb 2022 12:57
 Operator : JC/MD
 Sample : VX0210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0210WBS01

Quant Time: Feb 11 03:54:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/11/2022
 Supervised By : Mahesh Dadoda 02/11/2022

02/11/2022
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.904	128	15139	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	85044	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	73067	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	34514	28.352	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.500%
60) 4-Bromofluorobenzene	11.079	95	34947	28.659	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.533%
63) Toluene-d8	8.647	98	99916	29.767	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.233%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	17019	18.665	ug/l	95
3) Chloromethane	1.295	50	15282	19.183	ug/l	98
4) Vinyl Chloride	1.380	62	16330	18.543	ug/l	98
5) Bromomethane	1.618	94	7385	18.625	ug/l	92
6) Chloroethane	1.691	64	9856	19.723	ug/l	98
7) Trichlorofluoromethane	1.892	101	24251	17.375	ug/l	99
8) Diethyl Ether	2.136	74	8953	17.978	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	16685	19.153	ug/l	99
10) 1,1-Dichloroethene	2.325	96	15382	18.902	ug/l	98
11) Methyl Iodide	2.459	142	17755	20.089	ug/l	98
12) Methyl Acetate	2.703	43	34663	20.332	ug/l	100
13) Acrolein	2.240	56	19949	112.908	ug/l	98
14) Acrylonitrile	3.069	53	48919	102.871	ug/l	99
15) Acetone	2.386	58	15847	106.089	ug/l	87
16) Carbon Disulfide	2.520	76	39559	17.214	ug/l	99
17) Allyl chloride	2.666	41	28278	18.056	ug/l	98
18) Methylene Chloride	2.794	84	17451	19.469	ug/l	96
19) trans-1,2-Dichloroethene	3.099	96	16940	19.365	ug/l	96
20) Diisopropyl ether	3.764	45	57684	18.951	ug/l	98
21) 1,1-Dichloroethane	3.611	63	31259	18.653	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	19381	18.937	ug/l	96
23) tert-Butyl Alcohol	2.977	59	15065	87.341	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	54160	17.896	ug/l	99
25) Chloroform	5.099	83	32888	18.940	ug/l	94
26) Cyclohexane	5.477	56	28503	18.595	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	23564	17.940	ug/l	99
30) 2-Butanone	4.556	43	72718	95.330	ug/l	99
31) 2,2-Dichloropropane	4.483	77	21832	16.047	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	27523	17.212	ug/l	99
33) Carbon Tetrachloride	5.684	117	24059	16.983	ug/l	96
34) Benzene	6.038	78	69304	19.029	ug/l	97
35) Methacrylonitrile	4.922	41	15033	18.809	ug/l	95
36) 1,2-Dichloroethane	6.092	62	25993	17.671	ug/l	99
37) Trichloroethene	7.129	130	19656	18.687	ug/l	98
38) Methylcyclohexane	7.385	83	28839	18.321	ug/l	99
39) 1,2-Dichloropropane	7.434	63	17666	18.969	ug/l	98
40) Dibromomethane	7.580	93	12225	18.686	ug/l	98
41) Bromodichloromethane	7.824	83	23952	17.739	ug/l	97
42) Vinyl Acetate	3.721	43	216372	91.553	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	26551	19.144	ug/l	99
44) Isopropyl Acetate	6.342	43	40728	17.792	ug/l	99
45) 1,4-Dioxane	7.678	88	7429	418.714	ug/l	98
46) Methyl methacrylate	7.696	41	20088	17.890	ug/l	95
47) n-amyl Acetate	10.842	43	28828	16.832	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	22549	16.725	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	26119	17.520	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	17581	19.544	ug/l	98
51) Ethyl methacrylate	9.116	69	25988	18.119	ug/l	97
52) 1,3-Dichloropropane	9.311	76	30087	19.300	ug/l	99
53) Dibromochloromethane	9.525	129	17639	18.042	ug/l	99
54) 1,2-Dibromoethane	9.610	107	17977	18.844	ug/l	99
55) 2-Chloroethyl vinyl ether	8.245	63	51430	67.033	ug/l	99
56) Bromoform	10.799	173	11021	16.981	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	132559	97.263	ug/l	99
59) 2-Hexanone	9.433	43	97816	92.690	ug/l	98
61) Tetrachloroethene	9.275	164	21193	19.679	ug/l	92
62) Toluene	8.720	91	74035	18.979	ug/l	100
64) Chlorobenzene	10.080	112	45045	19.021	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.165	131	16381	18.165	ug/l	98
66) Ethyl Benzene	10.195	91	80124	18.357	ug/l	99
67) m/p-Xylenes	10.299	106	61213	37.749	ug/l	97
68) o-Xylene	10.640	106	29541	18.783	ug/l	100
69) Styrene	10.659	104	48229	18.449	ug/l	98
70) Isopropylbenzene	10.964	105	78495	18.602	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.214	83	21290	18.514	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	22203m	19.039	ug/l	
73) Bromobenzene	11.201	156	18160	18.801	ug/l	96
74) n-propylbenzene	11.305	91	89107	18.282	ug/l	100
75) 2-Chlorotoluene	11.366	91	53482	18.266	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	65237	18.509	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	5417	15.445	ug/l	97
78) 4-Chlorotoluene	11.457	91	61088	18.300	ug/l	99
79) tert-butylbenzene	11.713	119	59181	18.140	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	64845	18.625	ug/l	99
81) sec-Butylbenzene	11.890	105	78330	18.328	ug/l	99
82) p-Isopropyltoluene	12.012	119	66833	18.512	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	32897	18.300	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	32526	18.057	ug/l	98
85) n-Butylbenzene	12.335	91	54735	17.517	ug/l	100
86) Hexachloroethane	12.543	117	9002	16.516	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	32389	18.752	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	4636	15.801	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	19842	17.548	ug/l	99
90) Hexachlorobutadiene	13.725	225	8590	17.405	ug/l	94
91) Naphthalene	13.780	128	68450	17.511	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	19651	17.472	ug/l	98

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

Manual Integrations

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