

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020222\
 Data File : VX026733.D
 Acq On : 02 Feb 2022 13:33
 Operator : JC/MD
 Sample : VX0202WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0202WBSD01

Quant Time: Feb 03 03:03:17 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 :John
 Carlone

02/03/2022
 Supervised By :Mahesh
 Dadoda

02/04/2022

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

Internal Standards						
1) Bromochloromethane	4.903	128	15720	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	88051	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	78945	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	35413	28.015	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.400%		
60) 4-Bromofluorobenzene	11.085	95	37623	28.556	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.200%		
63) Toluene-d8	8.653	98	106285	29.307	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	18018	19.030	ug/l	95
3) Chloromethane	1.294	50	16218	19.606	ug/l	95
4) Vinyl Chloride	1.379	62	17118	18.719	ug/l	98
5) Bromomethane	1.617	94	7861	19.093	ug/l	91
6) Chloroethane	1.690	64	10160	19.580	ug/l	96
7) Trichlorofluoromethane	1.892	101	24888	17.173	ug/l	96
8) Diethyl Ether	2.135	74	9349	18.079	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	17199	19.013	ug/l	98
10) 1,1-Dichloroethene	2.324	96	15805	18.704	ug/l	93
11) Methyl Iodide	2.459	142	20575	22.419	ug/l	96
12) Methyl Acetate	2.709	43	35373	19.982	ug/l	95
13) Acrolein	2.245	56	18763	102.270	ug/l	99
14) Acrylonitrile	3.068	53	51004	103.291	ug/l	98
15) Acetone	2.385	58	15879	102.374	ug/l	89
16) Carbon Disulfide	2.520	76	40428	16.942	ug/l	100
17) Allyl chloride	2.672	41	29220	17.968	ug/l	98
18) Methylene Chloride	2.794	84	18689	20.080	ug/l	97
19) trans-1,2-Dichloroethene	3.099	96	17639	19.419	ug/l	95
20) Diisopropyl ether	3.763	45	59849	18.935	ug/l	95
21) 1,1-Dichloroethane	3.617	63	32283	18.552	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	20548	19.336	ug/l	92
23) tert-Butyl Alcohol	2.971	59	14823	82.761	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	56958	18.125	ug/l	97
25) Chloroform	5.104	83	33981	18.846	ug/l	100
26) Cyclohexane	5.482	56	29553	18.567	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	24691	18.156	ug/l	99
30) 2-Butanone	4.562	43	74065	93.780	ug/l	98
31) 2,2-Dichloropropane	4.483	77	23233	16.494	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	28920	17.468	ug/l	100
33) Carbon Tetrachloride	5.684	117	25292	17.244	ug/l	98
34) Benzene	6.043	78	73422	19.471	ug/l	99
35) Methacrylonitrile	4.922	41	14878	17.979	ug/l	97
36) 1,2-Dichloroethane	6.092	62	26857	17.635	ug/l	98
37) Trichloroethene	7.128	130	21377	19.629	ug/l	93
38) Methylcyclohexane	7.385	83	30137	18.492	ug/l	98
39) 1,2-Dichloropropane	7.433	63	18632	19.323	ug/l	98
40) Dibromomethane	7.586	93	13330	19.679	ug/l	99
41) Bromodichloromethane	7.823	83	24656	17.637	ug/l	96
42) Vinyl Acetate	3.727	43	224394	91.705	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.720	43	27016	18.814	ug/l	98
44) Isopropyl Acetate	6.342	43	43214	18.233	ug/l	100
45) 1,4-Dioxane	7.683	88	6774	368.759	ug/l	99
46) Methyl methacrylate	7.695	41	21450	18.451	ug/l	94
47) n-amyl Acetate	10.847	43	33366	18.816	ug/l	96
48) t-1,3-Dichloropropene	8.982	75	24402	17.481	ug/l	95
49) cis-1,3-Dichloropropene	8.372	75	27900	18.075	ug/l	95
50) 1,1,2-Trichloroethane	9.152	97	19203	20.618	ug/l	97
51) Ethyl methacrylate	9.122	69	28474	19.175	ug/l	91
52) 1,3-Dichloropropane	9.311	76	32042	19.852	ug/l	99
53) Dibromochloromethane	9.524	129	19130	18.898	ug/l	99
54) 1,2-Dibromoethane	9.610	107	19609	19.852	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	78020	98.217	ug/l	99
56) Bromoform	10.805	173	12423	18.487	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	140421	95.360	ug/l	98
59) 2-Hexanone	9.433	43	103750	90.993	ug/l	99
61) Tetrachloroethene	9.274	164	23243	19.976	ug/l	97
62) Toluene	8.720	91	78457	18.615	ug/l	100
64) Chlorobenzene	10.079	112	49309	19.271	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	18353	18.836	ug/l	98
66) Ethyl Benzene	10.195	91	87171	18.485	ug/l	99
67) m/p-Xylenes	10.305	106	67064	38.277	ug/l	98
68) o-Xylene	10.646	106	32498	19.125	ug/l	100
69) Styrene	10.658	104	54567	19.319	ug/l	96
70) Isopropylbenzene	10.963	105	86835	19.047	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	22829	18.374	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	24043m	19.082	ug/l	
73) Bromobenzene	11.201	156	20301	19.453	ug/l	94
74) n-propylbenzene	11.305	91	98385	18.683	ug/l	100
75) 2-Chlorotoluene	11.366	91	59413	18.781	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	72010	18.909	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	6238	16.461	ug/l	97
78) 4-Chlorotoluene	11.457	91	66169	18.346	ug/l	97
79) tert-butylbenzene	11.719	119	65538	18.593	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	70433	18.724	ug/l	98
81) sec-Butylbenzene	11.890	105	87376	18.923	ug/l	99
82) p-Isopropyltoluene	12.012	119	74192	19.020	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	36050	18.561	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	36517	18.763	ug/l	99
85) n-Butylbenzene	12.335	91	61142	18.111	ug/l	99
86) Hexachloroethane	12.542	117	10148	17.232	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	35525	19.036	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.944	75	5084	16.038	ug/l	95
89) 1,2,4-Trichlorobenzene	13.591	180	21646	17.718	ug/l	98
90) Hexachlorobutadiene	13.725	225	9053	16.978	ug/l	90
91) Naphthalene	13.780	128	75134	17.790	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	22182	18.254	ug/l	99

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

