

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
 Data File : VX027279.D
 Acq On : 03 Mar 2022 18:39
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX030322

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/14/2022
 Supervised By :Semsettin Yesilyurt 03/14/2022

Quant Time: Mar 04 02:40:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 04 01:00:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	11491	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	63557	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	59155	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	24739	31.098	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.667%			
60) 4-Bromofluorobenzene	11.079	95	27914	29.128	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.100%			
63) Toluene-d8	8.653	98	75060	29.025	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.767%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	15070	20.487	ug/l	96
3) Chloromethane	1.301	50	12690	21.451	ug/l	96
4) Vinyl Chloride	1.380	62	11916	21.035	ug/l	98
5) Bromomethane	1.605	94	7866	25.838	ug/l	92
6) Chloroethane	1.691	64	7083	21.160	ug/l	98
7) Trichlorofluoromethane	1.892	101	20100	20.745	ug/l	99
8) Diethyl Ether	2.136	74	6343	20.558	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	13749	20.299	ug/l	99
10) 1,1-Dichloroethene	2.325	96	13455	20.448	ug/l	97
11) Methyl Iodide	2.459	142	12544	16.356	ug/l	97
12) Methyl Acetate	2.709	43	17619	20.579	ug/l	96
13) Acrolein	2.239	56	13648	100.217	ug/l	99
14) Acrylonitrile	3.068	53	39868	103.244	ug/l	100
15) Acetone	2.386	58	10718	96.698	ug/l	97
16) Carbon Disulfide	2.514	76	35239	20.168	ug/l	100
17) Allyl chloride	2.672	41	22269	20.360	ug/l	99
18) Methylene Chloride	2.794	84	15249	20.522	ug/l	95
19) trans-1,2-Dichloroethene	3.099	96	14414	20.251	ug/l	96
20) Diisopropyl ether	3.770	45	43735	20.801	ug/l	87
21) 1,1-Dichloroethane	3.617	63	25389	20.644	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	16480	20.161	ug/l	96
23) tert-Butyl Alcohol	2.965	59	15949	104.287	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	45507	20.837	ug/l	100
25) Chloroform	5.105	83	27090	20.668	ug/l	99
26) Cyclohexane	5.483	56	23081	20.842	ug/l #	98
29) 1,1-Dichloropropene	5.702	75	19531	20.102	ug/l	99
30) 2-Butanone	4.562	43	56162	102.398	ug/l	100
31) 2,2-Dichloropropane	4.483	77	18688	19.133	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	24077	20.404	ug/l	99
33) Carbon Tetrachloride	5.684	117	21461	19.938	ug/l	98
34) Benzene	6.044	78	58259	20.519	ug/l	98
35) Methacrylonitrile	4.928	41	11681	20.374	ug/l	98
36) 1,2-Dichloroethane	6.092	62	21357	20.651	ug/l	99
37) Trichloroethene	7.129	130	17359	20.235	ug/l	97
38) Methylcyclohexane	7.385	83	24675	20.501	ug/l	98
39) 1,2-Dichloropropane	7.434	63	14284	20.491	ug/l	99
40) Dibromomethane	7.586	93	10656	20.443	ug/l	98
41) Bromodichloromethane	7.824	83	20120	20.028	ug/l	96
42) Vinyl Acetate	3.727	43	189370	102.999	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	21548	20.731	ug/l	99
44) Isopropyl Acetate	6.342	43	32639	20.340	ug/l	99
45) 1,4-Dioxane	7.659	88	7592	419.334	ug/l	97
46) Methyl methacrylate	7.696	41	16660	20.929	ug/l	100
47) n-amyl Acetate	10.842	43	27264	20.616	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	19889	19.173	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	22774	19.982	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	15436	20.837	ug/l	97
51) Ethyl methacrylate	9.116	69	23292	20.268	ug/l	98
52) 1,3-Dichloropropane	9.311	76	25964	20.986	ug/l	99
53) Dibromochloromethane	9.525	129	15822	19.546	ug/l	96
54) 1,2-Dibromoethane	9.610	107	16466	20.498	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	56787	102.009	ug/l	100
56) Bromoform	10.799	173	11145	18.828	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	112195	104.847	ug/l	99
59) 2-Hexanone	9.433	43	83703	102.213	ug/l	99
61) Tetrachloroethene	9.275	164	17732	20.551	ug/l	96
62) Toluene	8.720	91	66633	20.678	ug/l	96
64) Chlorobenzene	10.079	112	41123	19.916	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	15143	19.324	ug/l	98
66) Ethyl Benzene	10.195	91	71605	19.713	ug/l	100
67) m/p-Xylenes	10.305	106	57109	40.153	ug/l	99
68) o-Xylene	10.640	106	28171	20.264	ug/l	98
69) Styrene	10.659	104	45745	19.793	ug/l	98
70) Isopropylbenzene	10.963	105	73520	20.105	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	21946	20.530	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	20884m	20.117	ug/l	
73) Bromobenzene	11.201	156	17932	19.709	ug/l	96
74) n-propylbenzene	11.305	91	82053	19.687	ug/l	100
75) 2-Chlorotoluene	11.366	91	50161	19.881	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	60733	19.772	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	5651	18.374	ug/l	94
78) 4-Chlorotoluene	11.457	91	56628	19.714	ug/l	98
79) tert-butylbenzene	11.713	119	60965	20.405	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	60866	19.889	ug/l	97
81) sec-Butylbenzene	11.890	105	74586	19.626	ug/l	100
82) p-Isopropyltoluene	12.012	119	63379	19.498	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	33609	19.737	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	33603	19.763	ug/l	99
85) n-Butylbenzene	12.335	91	50753	19.141	ug/l	100
86) Hexachloroethane	12.536	117	9394	18.595	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	33149	20.132	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	4970	19.626	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	20399	18.861	ug/l	99
90) Hexachlorobutadiene	13.725	225	8653	19.055	ug/l	99
91) Naphthalene	13.774	128	71522	19.845	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	20795	19.176	ug/l	99

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

