

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
 Data File : VX041586.D
 Acq On : 21 May 2024 16:53
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/22/2024
 Supervised By :Semsettin Yesilyurt 05/22/2024

Quant Time: May 22 02:55:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	27829	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	156623	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146691	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	65827	30.037	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.133%			
60) 4-Bromofluorobenzene	11.079	95	70099	30.612	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.033%			
63) Toluene-d8	8.647	98	186183	29.609	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29691	20.398	ug/l	98
3) Chloromethane	1.301	50	32586	20.444	ug/l	98
4) Vinyl Chloride	1.374	62	34022	20.273	ug/l	99
5) Bromomethane	1.593	94	20736	19.427	ug/l	99
6) Chloroethane	1.666	64	19997	23.569	ug/l	92
7) Trichlorofluoromethane	1.867	101	55192	21.667	ug/l	95
8) Diethyl Ether	2.136	74	21790	22.907	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	32596	22.067	ug/l	100
10) 1,1-Dichloroethene	2.306	96	30813	21.641	ug/l	98
11) Methyl Iodide	2.441	142	35735	21.072	ug/l	99
12) Methyl Acetate	2.703	43	49167	22.929	ug/l	96
13) Acrolein	2.239	56	27880	106.799	ug/l	97
14) Acrylonitrile	3.068	53	99088	105.101	ug/l	99
15) Acetone	2.386	58	29007	114.832	ug/l	99
16) Carbon Disulfide	2.502	76	65929	20.509	ug/l	99
17) Allyl chloride	2.654	41	53833	21.305	ug/l	99
18) Methylene Chloride	2.782	84	36629	21.630	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	32181	19.711	ug/l	99
20) Diisopropyl ether	3.763	45	109867	20.695	ug/l	91
21) 1,1-Dichloroethane	3.605	63	61916	20.781	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	40321	20.324	ug/l	98
23) tert-Butyl Alcohol	2.995	59	40457	101.120	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	109673	20.632	ug/l	100
25) Chloroform	5.086	83	65629	20.676	ug/l	97
26) Cyclohexane	5.458	56	48269	19.427	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	41993	20.269	ug/l	100
30) 2-Butanone	4.562	43	148183	107.755	ug/l	99
31) 2,2-Dichloropropane	4.465	77	49986	20.557	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	56671	20.385	ug/l	99
33) Carbon Tetrachloride	5.666	117	49692	20.891	ug/l	97
34) Benzene	6.025	78	133658	20.427	ug/l	98
35) Methacrylonitrile	4.916	41	29856	21.522	ug/l	95
36) 1,2-Dichloroethane	6.080	62	51470	21.080	ug/l	100
37) Trichloroethene	7.117	130	36588	20.069	ug/l	100
38) Methylcyclohexane	7.373	83	52494	19.955	ug/l	100
39) 1,2-Dichloropropane	7.427	63	31490	20.359	ug/l	98
40) Dibromomethane	7.580	93	25127	20.641	ug/l	100
41) Bromodichloromethane	7.818	83	47570	20.815	ug/l	99
42) Vinyl Acetate	3.721	43	501240	105.054	ug/l	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/22/2024
 Supervised By :Semsettin Yesilyurt 05/22/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	56203	21.181	ug/l #	76
44) Isopropyl Acetate	6.342	43	83460	20.808	ug/l	99
45) 1,4-Dioxane	7.665	88	17581m	388.663	ug/l	
46) Methyl methacrylate	7.690	41	42524	21.308	ug/l	96
47) n-amyl Acetate	10.841	43	74802	20.565	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	46745	20.367	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	50868	20.463	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	35472	20.947	ug/l	96
51) Ethyl methacrylate	9.116	69	55568	20.386	ug/l	94
52) 1,3-Dichloropropane	9.305	76	60273	21.539	ug/l	100
53) Dibromochloromethane	9.519	129	41153	21.358	ug/l	99
54) 1,2-Dibromoethane	9.610	107	38794	21.603	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	118602	89.144	ug/l	100
56) Bromoform	10.799	173	32184	20.849	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	295544	110.267	ug/l	99
59) 2-Hexanone	9.433	43	231406	108.376	ug/l	100
61) Tetrachloroethene	9.269	164	36108	20.119	ug/l	94
62) Toluene	8.714	91	149511	20.483	ug/l	100
64) Chlorobenzene	10.079	112	102686	20.712	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	36617	20.866	ug/l	99
66) Ethyl Benzene	10.189	91	165779	20.453	ug/l	99
67) m/p-Xylenes	10.299	106	133056	41.981	ug/l	98
68) o-Xylene	10.640	106	66291	20.779	ug/l	99
69) Styrene	10.652	104	111781	20.897	ug/l	100
70) Isopropylbenzene	10.963	105	171033	21.216	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	59677	21.549	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	49122m	19.668	ug/l	
73) Bromobenzene	11.195	156	49192	20.767	ug/l	99
74) n-propylbenzene	11.305	91	189778	20.877	ug/l	100
75) 2-Chlorotoluene	11.366	91	120540	21.116	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	142808	20.754	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	16185	20.618	ug/l	91
78) 4-Chlorotoluene	11.451	91	135715	20.874	ug/l	98
79) tert-butylbenzene	11.713	119	152925	20.881	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	145096	21.038	ug/l	100
81) sec-Butylbenzene	11.890	105	178586	20.868	ug/l	99
82) p-Isopropyltoluene	12.006	119	155659	20.779	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	87956	20.704	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	88550	20.629	ug/l	99
85) n-Butylbenzene	12.329	91	119880	19.887	ug/l	98
86) Hexachloroethane	12.536	117	24858	19.709	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	90037	20.765	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12938	21.273	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	60555	20.784	ug/l	100
90) Hexachlorobutadiene	13.725	225	30114	21.186	ug/l	99
91) Naphthalene	13.774	128	188907	21.694	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	64088	21.530	ug/l	99

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

