

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081624\
 Data File : VX043061.D
 Acq On : 16 Aug 2024 08:20
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/19/2024
 Supervised By :Semsettin Yesilyurt 08/19/2024

Quant Time: Aug 16 23:49:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	20214	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	116526	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	104468	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44670	27.300	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	91.000%		
60) 4-Bromofluorobenzene	11.079	95	48308	27.239	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.800%		
63) Toluene-d8	8.647	98	142442	29.682	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.933%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24642	21.390	ug/l	99
3) Chloromethane	1.294	50	33043	19.069	ug/l	97
4) Vinyl Chloride	1.374	62	34023	20.921	ug/l	99
5) Bromomethane	1.599	94	11227	26.523	ug/l	90
6) Chloroethane	1.666	64	11333	26.395	ug/l	98
7) Trichlorofluoromethane	1.868	101	41560	27.286	ug/l	98
8) Diethyl Ether	2.136	74	18310	25.314	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	26192	19.440	ug/l	96
10) 1,1-Dichloroethene	2.306	96	26914	19.322	ug/l	97
11) Methyl Iodide	2.441	142	27794	18.007	ug/l	94
12) Methyl Acetate	2.709	43	46873	18.628	ug/l	97
13) Acrolein	2.239	56	33209	80.234	ug/l	94
14) Acrylonitrile	3.069	53	84933	88.568	ug/l	98
15) Acetone	2.392	58	25109	94.194	ug/l	84
16) Carbon Disulfide	2.502	76	71702	17.416	ug/l	98
17) Allyl chloride	2.654	41	48769	17.807	ug/l	97
18) Methylene Chloride	2.782	84	29643	18.379	ug/l	94
19) trans-1,2-Dichloroethene	3.087	96	27680	18.918	ug/l	97
20) Diisopropyl ether	3.764	45	98811	18.460	ug/l	98
21) 1,1-Dichloroethane	3.605	63	51586	18.034	ug/l	95
22) cis-1,2-Dichloroethene	4.483	96	33044	18.848	ug/l	96
23) tert-Butyl Alcohol	2.995	59	30489	73.283	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	89569	18.218	ug/l	98
25) Chloroform	5.086	83	49186	18.481	ug/l	95
26) Cyclohexane	5.458	56	46211	17.588	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	35094	19.581	ug/l	98
30) 2-Butanone	4.562	43	121502	94.816	ug/l	100
31) 2,2-Dichloropropane	4.465	77	43142	19.417	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	42153	19.538	ug/l	98
33) Carbon Tetrachloride	5.666	117	36487	20.674	ug/l	98
34) Benzene	6.031	78	115053	19.393	ug/l	97
35) Methacrylonitrile	4.928	41	24140	18.071	ug/l	97
36) 1,2-Dichloroethane	6.080	62	35355	19.316	ug/l #	94
37) Trichloroethene	7.123	130	27005	20.228	ug/l	98
38) Methylcyclohexane	7.379	83	48658	19.817	ug/l	98
39) 1,2-Dichloropropane	7.428	63	27899	18.973	ug/l	97
40) Dibromomethane	7.580	93	19410	19.620	ug/l	97
41) Bromodichloromethane	7.818	83	38662	19.582	ug/l	99
42) Vinyl Acetate	3.721	43	574225	98.630	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	42065	17.162	ug/l	99
44) Isopropyl Acetate	6.336	43	73743	18.467	ug/l	98
45) 1,4-Dioxane	7.665	88	14179m	367.818	ug/l	
46) Methyl methacrylate	7.696	41	34497	18.288	ug/l	95
47) n-amyl Acetate	10.842	43	62659	17.772	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	39742	18.140	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	45325	18.957	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	27566	20.225	ug/l	99
51) Ethyl methacrylate	9.116	69	47125	18.206	ug/l	97
52) 1,3-Dichloropropane	9.305	76	46810	19.574	ug/l	99
53) Dibromochloromethane	9.519	129	29903	20.201	ug/l	100
54) 1,2-Dibromoethane	9.610	107	28043	19.824	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	111139	93.717	ug/l	99
56) Bromoform	10.799	173	20187	19.520	ug/l	96
58) 4-Methyl-2-Pentanone	8.574	43	233718	96.743	ug/l	99
59) 2-Hexanone	9.433	43	181530	96.243	ug/l	99
61) Tetrachloroethene	9.269	164	24186	21.948	ug/l	99
62) Toluene	8.714	91	118074	19.786	ug/l	97
64) Chlorobenzene	10.079	112	74435	20.340	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	25657	20.643	ug/l	98
66) Ethyl Benzene	10.189	91	129597	19.984	ug/l	97
67) m/p-Xylenes	10.299	106	99727	41.120	ug/l	94
68) o-Xylene	10.640	106	50240	20.480	ug/l	94
69) Styrene	10.653	104	82254	20.121	ug/l	97
70) Isopropylbenzene	10.963	105	124107	20.394	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	43489	19.288	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	34910m	18.091	ug/l	
73) Bromobenzene	11.195	156	29882	21.378	ug/l	99
74) n-propylbenzene	11.305	91	144634	20.139	ug/l	99
75) 2-Chlorotoluene	11.360	91	87506	19.698	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	101348	20.418	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	15028	16.682	ug/l	96
78) 4-Chlorotoluene	11.451	91	96252	19.956	ug/l	100
79) tert-butylbenzene	11.713	119	105730	20.914	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	102168	20.190	ug/l	94
81) sec-Butylbenzene	11.890	105	129134	20.221	ug/l	100
82) p-Isopropyltoluene	12.006	119	105596	20.434	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	53329	20.707	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	53545	20.763	ug/l	99
85) n-Butylbenzene	12.329	91	89849	19.528	ug/l	100
86) Hexachloroethane	12.536	117	20674	19.128	ug/l	93
87) 1,2-Dichlorobenzene	12.335	146	53551	20.908	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8541	16.296	ug/l	93
89) 1,2,4-Trichlorobenzene	13.585	180	30104	19.863	ug/l	94
90) Hexachlorobutadiene	13.725	225	12524	22.169	ug/l	94
91) Naphthalene	13.774	128	113205	19.114	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	30975	20.036	ug/l	98

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

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