

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042838.D
 Acq On : 02 Aug 2024 13:15
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024
 Supervised By :Semsettin Yesilyurt 08/05/2024

Quant Time: Aug 02 21:20:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:18:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.910	128	15807	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	93110	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	84380	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	43657	36.354	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 121.167%#			
60) 4-Bromofluorobenzene	11.079	95	42761	31.885	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 106.267%			
63) Toluene-d8	8.653	98	116429	31.541	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.133%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	20929	21.311	ug/l	95
3) Chloromethane	1.300	50	14255	14.921	ug/l	96
4) Vinyl Chloride	1.374	62	14292	15.099	ug/l	100
5) Bromomethane	1.611	94	10832	21.031	ug/l	93
6) Chloroethane	1.691	64	10131	22.770	ug/l	91
7) Trichlorofluoromethane	1.892	101	27203	21.496	ug/l	97
8) Diethyl Ether	2.136	74	10273	19.695	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	19529	19.924	ug/l	86
10) 1,1-Dichloroethene	2.319	96	17677	18.995	ug/l	95
11) Methyl Iodide	2.453	142	16893	16.373	ug/l	81
12) Methyl Acetate	2.709	43	38338	24.041	ug/l	99
13) Acrolein	2.239	56	5485	32.726	ug/l	90
14) Acrylonitrile	3.068	53	59471	102.460	ug/l	99
15) Acetone	2.386	58	18344	105.742	ug/l	83
16) Carbon Disulfide	2.514	76	33826	18.206	ug/l #	93
17) Allyl chloride	2.666	41	25864	17.921	ug/l	81
18) Methylene Chloride	2.794	84	23637	21.692	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	18488	19.536	ug/l	97
20) Diisopropyl ether	3.770	45	57828	18.732	ug/l #	95
21) 1,1-Dichloroethane	3.611	63	36852	20.543	ug/l	97
22) cis-1,2-Dichloroethene	4.495	96	24686	20.656	ug/l	96
23) tert-Butyl Alcohol	2.971	59	27241	119.428	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	68347	21.444	ug/l	97
25) Chloroform	5.099	83	41366	21.894	ug/l	94
26) Cyclohexane	5.470	56	26406	18.157	ug/l #	96
29) 1,1-Dichloropropene	5.696	75	24825	20.065	ug/l	95
30) 2-Butanone	4.568	43	84078	101.879	ug/l	97
31) 2,2-Dichloropropane	4.483	77	31371	21.688	ug/l #	76
32) 1,1,1-Trichloroethane	5.391	97	36887	22.459	ug/l #	79
33) Carbon Tetrachloride	5.684	117	31348	21.925	ug/l	97
34) Benzene	6.043	78	80254	19.944	ug/l	96
35) Methacrylonitrile	4.928	41	15808	19.627	ug/l	89
36) 1,2-Dichloroethane	6.092	62	31884	23.419	ug/l #	93
37) Trichloroethene	7.123	130	20039	18.670	ug/l	90
38) Methylcyclohexane	7.385	83	29269	18.659	ug/l	99
39) 1,2-Dichloropropane	7.434	63	19392	19.578	ug/l	94
40) Dibromomethane	7.586	93	15960	21.766	ug/l	82
41) Bromodichloromethane	7.824	83	31630	22.607	ug/l	98
42) Vinyl Acetate	3.727	43	240357	92.175	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	28647	19.801	ug/l	97
44) Isopropyl Acetate	6.348	43	45592	19.899	ug/l	100
45) 1,4-Dioxane	7.665	88	11236	433.253	ug/l	97
46) Methyl methacrylate	7.696	41	22057	19.797	ug/l	90
47) n-amyl Acetate	10.841	43	35937	17.816	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	28935	21.023	ug/l	92
49) cis-1,3-Dichloropropene	8.372	75	31389	20.540	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	22355	21.050	ug/l	97
51) Ethyl methacrylate	9.116	69	33886	20.319	ug/l	88
52) 1,3-Dichloropropane	9.311	76	36603	21.194	ug/l	99
53) Dibromochloromethane	9.525	129	23103	19.814	ug/l	99
54) 1,2-Dibromoethane	9.610	107	23022	20.848	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	79856	99.340	ug/l	98
56) Bromoform	10.799	173	15882	17.248	ug/l #	95
58) 4-Methyl-2-Pentanone	8.574	43	159941	105.603	ug/l	98
59) 2-Hexanone	9.433	43	124222	104.458	ug/l	99
61) Tetrachloroethene	9.275	164	19235	18.901	ug/l #	88
62) Toluene	8.720	91	88003	20.581	ug/l	99
64) Chlorobenzene	10.079	112	59198	20.410	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.165	131	20932	20.108	ug/l	99
66) Ethyl Benzene	10.195	91	98083	20.822	ug/l	98
67) m/p-Xylenes	10.305	106	77775	41.398	ug/l	96
68) o-Xylene	10.640	106	38752	20.705	ug/l	97
69) Styrene	10.659	104	63129	20.134	ug/l	94
70) Isopropylbenzene	10.963	105	97677	20.538	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	34431	20.986	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	27723m	21.200	ug/l	
73) Bromobenzene	11.195	156	23180	17.642	ug/l	83
74) n-propylbenzene	11.305	91	110396	20.802	ug/l	97
75) 2-Chlorotoluene	11.366	91	70981	21.259	ug/l	92
76) 1,3,5-Trimethylbenzene	11.451	105	82458	20.664	ug/l	94
77) t-1,4-Dichloro-2-butene	11.018	75	9626	19.860	ug/l	96
78) 4-Chlorotoluene	11.457	91	78971	21.189	ug/l	94
79) tert-butylbenzene	11.713	119	82697	19.643	ug/l	90
80) 1,2,4-Trimethylbenzene	11.750	105	81069	20.249	ug/l	96
81) sec-Butylbenzene	11.890	105	101832	20.292	ug/l	97
82) p-Isopropyltoluene	12.006	119	84923	19.604	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	44190	18.434	ug/l	94
84) 1,4-Dichlorobenzene	12.042	146	43628	18.290	ug/l	95
85) n-Butylbenzene	12.335	91	70985	20.447	ug/l	97
86) Hexachloroethane	12.536	117	14633	19.643	ug/l	67
87) 1,2-Dichlorobenzene	12.335	146	43986	18.236	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8164	23.248	ug/l #	69
89) 1,2,4-Trichlorobenzene	13.585	180	25761	15.974	ug/l	97
90) Hexachlorobutadiene	13.725	225	10462	13.549	ug/l	96
91) Naphthalene	13.774	128	94641	19.107	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	26138	15.839	ug/l	94

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

