

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041639.D
 Acq On : 23 May 2024 19:15
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 24 06:47:19 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

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
 Supervised By :Semsettin Yesilyurt 05/24/2024

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

Internal Standards						
1) Bromochloromethane	4.904	128	28740	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	150225	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	140739	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64777	28.621	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.400%		
60) 4-Bromofluorobenzene	11.079	95	65523	29.823	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.400%		
63) Toluene-d8	8.647	98	179957	29.829	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.433%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25594	17.026	ug/l	98
3) Chloromethane	1.301	50	27990	17.004	ug/l	99
4) Vinyl Chloride	1.374	62	30554	17.630	ug/l	98
5) Bromomethane	1.593	94	20496	18.594	ug/l	99
6) Chloroethane	1.666	64	22606	25.799	ug/l	94
7) Trichlorofluoromethane	1.874	101	50727	19.283	ug/l	96
8) Diethyl Ether	2.136	74	21126	21.505	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	27046	17.729	ug/l	98
10) 1,1-Dichloroethene	2.306	96	28231	19.199	ug/l	97
11) Methyl Iodide	2.447	142	39827	22.741	ug/l	99
12) Methyl Acetate	2.709	43	48347	21.832	ug/l	98
13) Acrolein	2.239	56	23758	88.124	ug/l	98
14) Acrylonitrile	3.068	53	97909	100.559	ug/l	100
15) Acetone	2.392	58	25371	97.255	ug/l	99
16) Carbon Disulfide	2.502	76	56014	16.872	ug/l	99
17) Allyl chloride	2.660	41	48743	18.680	ug/l	99
18) Methylene Chloride	2.788	84	33667	19.251	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	29038	17.222	ug/l	98
20) Diisopropyl ether	3.764	45	101789	18.566	ug/l	96
21) 1,1-Dichloroethane	3.605	63	56711	18.430	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	36561	17.844	ug/l	98
23) tert-Butyl Alcohol	2.989	59	45244	109.501	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	103003	18.763	ug/l	99
25) Chloroform	5.093	83	60709	18.520	ug/l	98
26) Cyclohexane	5.471	56	40085	15.622	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	36312	18.273	ug/l	99
30) 2-Butanone	4.562	43	142301	107.885	ug/l	99
31) 2,2-Dichloropropane	4.477	77	40241	17.254	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	52179	19.569	ug/l	99
33) Carbon Tetrachloride	5.678	117	42912	18.809	ug/l	98
34) Benzene	6.037	78	120268	19.163	ug/l	97
35) Methacrylonitrile	4.928	41	28520	21.435	ug/l	98
36) 1,2-Dichloroethane	6.086	62	47744	20.386	ug/l	100
37) Trichloroethene	7.129	130	32666	18.681	ug/l	95
38) Methylcyclohexane	7.379	83	41813	16.571	ug/l	98
39) 1,2-Dichloropropane	7.427	63	29847	20.119	ug/l	99
40) Dibromomethane	7.580	93	23914	20.482	ug/l	97
41) Bromodichloromethane	7.824	83	44391	20.251	ug/l	100
42) Vinyl Acetate	3.721	43	461930	100.938	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	50981	20.032	ug/l	99
44) Isopropyl Acetate	6.348	43	79847	20.755	ug/l	100
45) 1,4-Dioxane	7.665	88	17483	402.957	ug/l	96
46) Methyl methacrylate	7.696	41	40160	20.981	ug/l	98
47) n-amyl Acetate	10.842	43	68862	19.739	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	41690	18.939	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	45745	19.186	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	32962	20.294	ug/l	98
51) Ethyl methacrylate	9.116	69	52127	19.938	ug/l	98
52) 1,3-Dichloropropane	9.311	76	54498	20.305	ug/l	99
53) Dibromochloromethane	9.519	129	36719	19.869	ug/l	100
54) 1,2-Dibromoethane	9.610	107	34991	20.315	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	141814	111.130	ug/l	99
56) Bromoform	10.799	173	28432	19.203	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	282213	109.746	ug/l	100
59) 2-Hexanone	9.433	43	217885	106.359	ug/l	99
61) Tetrachloroethene	9.275	164	30448	17.683	ug/l	92
62) Toluene	8.720	91	133930	19.125	ug/l	100
64) Chlorobenzene	10.079	112	91343	19.203	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	32700	19.422	ug/l	98
66) Ethyl Benzene	10.195	91	148066	19.041	ug/l	100
67) m/p-Xylenes	10.299	106	115547	37.999	ug/l	99
68) o-Xylene	10.640	106	57753	18.868	ug/l	100
69) Styrene	10.659	104	98211	19.136	ug/l	99
70) Isopropylbenzene	10.963	105	147138	19.024	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	55395	20.849	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	45018m	18.787	ug/l	
73) Bromobenzene	11.195	156	43677	19.219	ug/l	99
74) n-propylbenzene	11.305	91	158544	18.179	ug/l	100
75) 2-Chlorotoluene	11.366	91	102751	18.761	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	120185	18.205	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	13656	18.132	ug/l	99
78) 4-Chlorotoluene	11.457	91	114574	18.367	ug/l	99
79) tert-butylbenzene	11.713	119	128878	18.342	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	122190	18.466	ug/l	99
81) sec-Butylbenzene	11.890	105	146748	17.873	ug/l	99
82) p-Isopropyltoluene	12.006	119	126956	17.664	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	74788	18.349	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	75615	18.360	ug/l	99
85) n-Butylbenzene	12.329	91	96230	16.639	ug/l	99
86) Hexachloroethane	12.536	117	21336	17.632	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	76699	18.437	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11970	20.513	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	49479	17.701	ug/l	99
90) Hexachlorobutadiene	13.725	225	23503	17.235	ug/l	99
91) Naphthalene	13.774	128	167374	20.034	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	53325	18.672	ug/l	98

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

