

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041614.D
 Acq On : 23 May 2024 08:52
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: May 24 05:29:56 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	4.897	128	29753	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	162585	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	148870	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	69973	29.864	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.533%		
60) 4-Bromofluorobenzene	11.079	95	72360	31.136	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.800%		
63) Toluene-d8	8.647	98	195889	30.697	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.333%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	29582	19.009	ug/l	100
3) Chloromethane	1.300	50	31293	18.363	ug/l	100
4) Vinyl Chloride	1.374	62	32419	18.069	ug/l	100
5) Bromomethane	1.599	94	21006	18.407	ug/l	95
6) Chloroethane	1.666	64	22577	24.889	ug/l	96
7) Trichlorofluoromethane	1.873	101	58393	21.442	ug/l	96
8) Diethyl Ether	2.136	74	21856	21.490	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	32567	20.622	ug/l	98
10) 1,1-Dichloroethene	2.312	96	29869	19.622	ug/l	96
11) Methyl Iodide	2.447	142	37246	20.543	ug/l	96
12) Methyl Acetate	2.709	43	47595	20.760	ug/l	95
13) Acrolein	2.239	56	25749	92.257	ug/l	95
14) Acrylonitrile	3.068	53	97012	96.245	ug/l	99
15) Acetone	2.386	58	35682	132.123	ug/l	95
16) Carbon Disulfide	2.501	76	61285	17.831	ug/l	97
17) Allyl chloride	2.660	41	52452	19.417	ug/l	98
18) Methylene Chloride	2.788	84	35697	19.717	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	31225	17.888	ug/l	97
20) Diisopropyl ether	3.757	45	106483	18.761	ug/l	92
21) 1,1-Dichloroethane	3.605	63	59255	18.601	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	37796	17.819	ug/l	98
23) tert-Butyl Alcohol	2.989	59	43272	101.162	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	104343	18.360	ug/l	98
25) Chloroform	5.086	83	64202	18.919	ug/l	98
26) Cyclohexane	5.464	56	47951	18.051	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	40960	19.045	ug/l	99
30) 2-Butanone	4.562	43	152190	106.610	ug/l	99
31) 2,2-Dichloropropane	4.465	77	47682	18.890	ug/l #	84
32) 1,1,1-Trichloroethane	5.379	97	55319	19.169	ug/l	99
33) Carbon Tetrachloride	5.672	117	47965	19.426	ug/l	97
34) Benzene	6.031	78	129250	19.029	ug/l	98
35) Methacrylonitrile	4.922	41	29366	20.393	ug/l	99
36) 1,2-Dichloroethane	6.086	62	50416	19.891	ug/l	99
37) Trichloroethene	7.123	130	35611	18.817	ug/l	99
38) Methylcyclohexane	7.373	83	50705	18.568	ug/l	98
39) 1,2-Dichloropropane	7.427	63	30172	18.792	ug/l	99
40) Dibromomethane	7.580	93	24942	19.738	ug/l	96
41) Bromodichloromethane	7.818	83	46423	19.568	ug/l	99
42) Vinyl Acetate	3.721	43	473466	95.594	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	50068	18.177	ug/l	98
44) Isopropyl Acetate	6.342	43	82408	19.792	ug/l	99
45) 1,4-Dioxane	7.665	88	17396	370.471	ug/l	97
46) Methyl methacrylate	7.696	41	40459	19.530	ug/l	99
47) n-amyl Acetate	10.841	43	70761	18.741	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	44094	18.508	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	49418	19.150	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	35235	20.044	ug/l	95
51) Ethyl methacrylate	9.116	69	53350	18.855	ug/l	98
52) 1,3-Dichloropropane	9.305	76	57094	19.655	ug/l	100
53) Dibromochloromethane	9.518	129	39278	19.638	ug/l	98
54) 1,2-Dibromoethane	9.610	107	36856	19.771	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	141183	102.225	ug/l	99
56) Bromoform	10.799	173	30724	19.173	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	283134	104.090	ug/l	99
59) 2-Hexanone	9.433	43	227272	104.882	ug/l	100
61) Tetrachloroethene	9.269	164	35332	19.398	ug/l	96
62) Toluene	8.714	91	145985	19.708	ug/l	99
64) Chlorobenzene	10.079	112	99863	19.847	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	35566	19.971	ug/l	99
66) Ethyl Benzene	10.189	91	159848	19.433	ug/l	100
67) m/p-Xylenes	10.299	106	129409	40.233	ug/l	99
68) o-Xylene	10.640	106	64097	19.797	ug/l	98
69) Styrene	10.652	104	106779	19.669	ug/l	99
70) Isopropylbenzene	10.963	105	166237	20.319	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	56554	20.122	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	47434m	18.714	ug/l	
73) Bromobenzene	11.195	156	47147	19.612	ug/l	99
74) n-propylbenzene	11.305	91	184516	20.001	ug/l	100
75) 2-Chlorotoluene	11.360	91	115636	19.960	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	136862	19.599	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	15311	19.219	ug/l	97
78) 4-Chlorotoluene	11.451	91	131595	19.944	ug/l	98
79) tert-butylbenzene	11.713	119	148659	20.002	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	136800	19.544	ug/l	99
81) sec-Butylbenzene	11.890	105	173791	20.011	ug/l	99
82) p-Isopropyltoluene	12.006	119	149506	19.665	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	83632	19.398	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	84122	19.310	ug/l	99
85) n-Butylbenzene	12.329	91	117285	19.172	ug/l	100
86) Hexachloroethane	12.536	117	25154	19.652	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	85948	19.531	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12110	19.620	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	56024	18.948	ug/l	99
90) Hexachlorobutadiene	13.725	225	28340	19.646	ug/l	99
91) Naphthalene	13.774	128	171019	19.352	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	58767	19.454	ug/l	100

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

