

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
 Data File : VX035877.D
 Acq On : 26 May 2023 01:39
 Operator : JC/MD
 Sample : VX0525WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBS02

Quant Time: May 26 09:21:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/26/2023
 Supervised By : Mahesh Dadoda 05/26/2023

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

Internal Standards						
1) Bromochloromethane	4.891	128	30080	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	170089	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	154954	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	73891	29.564	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.533%		
60) 4-Bromofluorobenzene	11.079	95	75392	28.996	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.667%		
63) Toluene-d8	8.647	98	210043	30.662	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	36893	23.985	ug/l	99
3) Chloromethane	1.295	50	38938	20.634	ug/l	98
4) Vinyl Chloride	1.374	62	37972	21.412	ug/l	99
5) Bromomethane	1.618	94	24305	20.373	ug/l	99
6) Chloroethane	1.691	64	24525	21.936	ug/l	98
7) Trichlorofluoromethane	1.886	101	59413	22.099	ug/l	97
8) Diethyl Ether	2.130	74	22578	20.200	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	33682	23.287	ug/l	98
10) 1,1-Dichloroethene	2.319	96	31991	21.216	ug/l	98
11) Methyl Iodide	2.453	142	36190	19.868	ug/l	99
12) Methyl Acetate	2.709	43	87374	20.507	ug/l	98
13) Acrolein	2.240	56	33847	100.495	ug/l	96
14) Acrylonitrile	3.069	53	110818	103.755	ug/l	98
15) Acetone	2.398	58	30724	96.171	ug/l	97
16) Carbon Disulfide	2.514	76	61213	18.706	ug/l	99
17) Allyl chloride	2.666	41	60410	19.859	ug/l	99
18) Methylene Chloride	2.788	84	41141	20.951	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	35747	21.030	ug/l	98
20) Diisopropyl ether	3.758	45	136679	20.813	ug/l	96
21) 1,1-Dichloroethane	3.611	63	71620	20.807	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	43036	20.461	ug/l	96
23) tert-Butyl Alcohol	3.014	59	42375m	108.688	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	122099	20.091	ug/l	95
25) Chloroform	5.093	83	72510	20.528	ug/l	99
26) Cyclohexane	5.471	56	59545	22.873	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	51136	21.590	ug/l	98
30) 2-Butanone	4.568	43	158757	102.392	ug/l	100
31) 2,2-Dichloropropane	4.477	77	43486	17.089	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	58834	21.271	ug/l	99
33) Carbon Tetrachloride	5.672	117	45884	21.008	ug/l	97
34) Benzene	6.038	78	156418	20.934	ug/l	96
35) Methacrylonitrile	4.916	41	33711	20.375	ug/l	98
36) 1,2-Dichloroethane	6.086	62	61349	21.097	ug/l	100
37) Trichloroethene	7.129	130	39447	21.003	ug/l	99
38) Methylcyclohexane	7.379	83	58023	22.338	ug/l	99
39) 1,2-Dichloropropane	7.428	63	41677	20.722	ug/l	99
40) Dibromomethane	7.580	93	27622	20.306	ug/l	99
41) Bromodichloromethane	7.824	83	49210	20.011	ug/l	97
42) Vinyl Acetate	3.721	43	456629	100.263	ug/l	99

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43) Ethyl Acetate	4.709	43	58457	19.770	ug/l	100
44) Isopropyl Acetate	6.336	43	95129	19.736	ug/l	99
45) 1,4-Dioxane	7.714	88	22413m	489.579	ug/l	
46) Methyl methacrylate	7.690	41	45971	19.739	ug/l	95
47) n-amyl Acetate	10.842	43	78439	19.374	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	48836	17.951	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	56240	18.732	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	39960	20.533	ug/l	98
51) Ethyl methacrylate	9.116	69	59338	19.780	ug/l	99
52) 1,3-Dichloropropane	9.305	76	69101	20.375	ug/l	99
53) Dibromochloromethane	9.519	129	33608	18.831	ug/l	99
54) 1,2-Dibromoethane	9.610	107	41020	20.288	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	170424	107.050	ug/l	100
56) Bromoform	10.799	173	20607	17.811	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	310826	103.272	ug/l	100
59) 2-Hexanone	9.427	43	235837	104.136	ug/l	99
61) Tetrachloroethene	9.275	164	32484	21.768	ug/l	98
62) Toluene	8.720	91	165355	20.722	ug/l	100
64) Chlorobenzene	10.080	112	103452	20.470	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	34638	19.605	ug/l	98
66) Ethyl Benzene	10.195	91	183234	20.532	ug/l	96
67) m/p-Xylenes	10.299	106	142028	42.046	ug/l	95
68) o-Xylene	10.640	106	69676	20.621	ug/l	98
69) Styrene	10.653	104	113192	20.298	ug/l	99
70) Isopropylbenzene	10.964	105	179301	20.790	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	62724	20.533	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	51708m	19.435	ug/l	
73) Bromobenzene	11.195	156	42174	20.128	ug/l	97
74) n-propylbenzene	11.305	91	209909	20.419	ug/l	99
75) 2-Chlorotoluene	11.366	91	129923	20.575	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	148652	20.294	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	11775	14.671	ug/l	87
78) 4-Chlorotoluene	11.451	91	147949	20.566	ug/l	99
79) tert-butylbenzene	11.713	119	145903	20.633	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	150923	20.502	ug/l	99
81) sec-Butylbenzene	11.890	105	184889	20.709	ug/l	100
82) p-Isopropyltoluene	12.006	119	149351	20.108	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	80937	20.410	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	81682	20.521	ug/l	99
85) n-Butylbenzene	12.329	91	129889	19.657	ug/l	100
86) Hexachloroethane	12.536	117	20207	17.276	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	79873	20.557	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	11245	19.261	ug/l	95
89) 1,2,4-Trichlorobenzene	13.585	180	46976	20.174	ug/l	99
90) Hexachlorobutadiene	13.725	225	17761	20.691	ug/l	97
91) Naphthalene	13.774	128	164224	20.380	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	46849	20.151	ug/l	99

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

