

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041684.D
 Acq On : 30 May 2024 10:29
 Operator : JC/MD
 Sample : VX0530WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 31 05:27:30 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

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

Internal Standards						
1) Bromochloromethane	4.897	128	25733	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	138551	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	130618	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	59647	29.434	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.100%
60) 4-Bromofluorobenzene	11.079	95	63251	31.020	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.400%
63) Toluene-d8	8.647	98	165073	29.482	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.267%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	25378	18.855	ug/l	98
3) Chloromethane	1.300	50	26234	17.799	ug/l	99
4) Vinyl Chloride	1.374	62	27685	17.841	ug/l	93
5) Bromomethane	1.599	94	19444	19.700	ug/l	99
6) Chloroethane	1.666	64	18941	24.142	ug/l	93
7) Trichlorofluoromethane	1.867	101	49309	20.934	ug/l	97
8) Diethyl Ether	2.136	74	19606	22.290	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	29170	21.356	ug/l	100
10) 1,1-Dichloroethene	2.306	96	26474	20.108	ug/l	96
11) Methyl Iodide	2.447	142	34930	22.275	ug/l	98
12) Methyl Acetate	2.703	43	46324	23.362	ug/l	95
13) Acrolein	2.239	56	21218	87.899	ug/l	95
14) Acrylonitrile	3.068	53	88980	102.067	ug/l	99
15) Acetone	2.386	58	26162	112.006	ug/l	98
16) Carbon Disulfide	2.501	76	51076	17.182	ug/l	99
17) Allyl chloride	2.660	41	46201	19.774	ug/l	99
18) Methylene Chloride	2.782	84	32093	20.495	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	27435	18.172	ug/l	99
20) Diisopropyl ether	3.757	45	98452	20.055	ug/l	93
21) 1,1-Dichloroethane	3.605	63	53785	19.522	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	35020	19.089	ug/l	98
23) tert-Butyl Alcohol	2.989	59	39475m	106.702	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	98582	20.056	ug/l	97
25) Chloroform	5.086	83	57825	19.702	ug/l	93
26) Cyclohexane	5.464	56	42651	18.564	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	36535	19.934	ug/l	99
30) 2-Butanone	4.562	43	130025	106.884	ug/l	100
31) 2,2-Dichloropropane	4.471	77	43635	20.286	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	49558	20.152	ug/l	100
33) Carbon Tetrachloride	5.672	117	41191	19.576	ug/l	99
34) Benzene	6.031	78	117575	20.313	ug/l	99
35) Methacrylonitrile	4.922	41	25285	20.604	ug/l	95
36) 1,2-Dichloroethane	6.080	62	45553	21.090	ug/l	100
37) Trichloroethene	7.123	130	31768	19.698	ug/l	99
38) Methylcyclohexane	7.373	83	45453	19.532	ug/l	98
39) 1,2-Dichloropropane	7.427	63	28983	21.182	ug/l	97
40) Dibromomethane	7.580	93	22715	21.094	ug/l	98
41) Bromodichloromethane	7.818	83	41971	20.760	ug/l	99
42) Vinyl Acetate	3.721	43	437310	103.610	ug/l	99

05/31/2024
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	47524	20.247	ug/l	99
44) Isopropyl Acetate	6.336	43	75044	21.150	ug/l	99
45) 1,4-Dioxane	7.665	88	14474	361.713	ug/l	93
46) Methyl methacrylate	7.696	41	37323	21.142	ug/l	97
47) n-amyl Acetate	10.841	43	65520	20.363	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	40516	19.956	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	44760	20.354	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	31728	21.180	ug/l	95
51) Ethyl methacrylate	9.116	69	49725	20.622	ug/l	96
52) 1,3-Dichloropropane	9.305	76	52782	21.322	ug/l	100
53) Dibromochloromethane	9.518	129	35195	20.649	ug/l	100
54) 1,2-Dibromoethane	9.610	107	33937	21.363	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	138660	117.814	ug/l	100
56) Bromoform	10.799	173	27693	20.279	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	255650	107.120	ug/l	99
59) 2-Hexanone	9.433	43	200473	105.442	ug/l	99
61) Tetrachloroethene	9.275	164	30902	19.337	ug/l	93
62) Toluene	8.714	91	130589	20.093	ug/l	99
64) Chlorobenzene	10.079	112	89340	20.237	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	31940	20.441	ug/l	99
66) Ethyl Benzene	10.195	91	144995	20.091	ug/l	100
67) m/p-Xylenes	10.299	106	115636	40.974	ug/l	98
68) o-Xylene	10.640	106	57170	20.125	ug/l	100
69) Styrene	10.652	104	96600	20.281	ug/l	100
70) Isopropylbenzene	10.963	105	149650	20.848	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	52939	21.468	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	42858m	19.272	ug/l	
73) Bromobenzene	11.195	156	42611	20.202	ug/l	99
74) n-propylbenzene	11.305	91	166502	20.570	ug/l	100
75) 2-Chlorotoluene	11.366	91	105769	20.808	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	126470	20.641	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	13812	19.760	ug/l	95
78) 4-Chlorotoluene	11.451	91	116992	20.208	ug/l	99
79) tert-butylbenzene	11.713	119	133630	20.492	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	123757	20.152	ug/l	99
81) sec-Butylbenzene	11.890	105	155950	20.466	ug/l	99
82) p-Isopropyltoluene	12.006	119	136011	20.390	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	76344	20.182	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	78279	20.480	ug/l	99
85) n-Butylbenzene	12.329	91	105480	19.651	ug/l	99
86) Hexachloroethane	12.536	117	21554	19.193	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	79023	20.467	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	10837	20.011	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	52249	20.140	ug/l	98
90) Hexachlorobutadiene	13.725	225	26516	20.951	ug/l	98
91) Naphthalene	13.774	128	157445	20.306	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	54798	20.674	ug/l	99

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

