

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061724\
 Data File : VX041901.D
 Acq On : 17 Jun 2024 11:39
 Operator : JC/MD
 Sample : VX0617WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0617WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 18 02:04:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.891	128	29400	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	168606	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	167731	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	61141	30.210	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.700%
60) 4-Bromofluorobenzene	11.079	95	75027	28.897	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.333%
63) Toluene-d8	8.647	98	204484	28.495	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	39449	20.728	ug/l	96
3) Chloromethane	1.300	50	43196	20.304	ug/l	99
4) Vinyl Chloride	1.374	62	42076	20.224	ug/l	98
5) Bromomethane	1.593	94	20928	18.818	ug/l	99
6) Chloroethane	1.660	64	18309	20.598	ug/l	95
7) Trichlorofluoromethane	1.867	101	55370	21.133	ug/l	99
8) Diethyl Ether	2.136	74	22627	19.955	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	36598	20.547	ug/l	99
10) 1,1-Dichloroethene	2.300	96	36102	20.093	ug/l	96
11) Methyl Iodide	2.441	142	45663	19.526	ug/l	99
12) Methyl Acetate	2.709	43	48291	21.081	ug/l	98
13) Acrolein	2.239	56	43621	94.439	ug/l	96
14) Acrylonitrile	3.068	53	110938	102.034	ug/l	99
15) Acetone	2.392	58	37023	119.033	ug/l	95
16) Carbon Disulfide	2.495	76	80854	20.533	ug/l	98
17) Allyl chloride	2.654	41	57594	21.106	ug/l	97
18) Methylene Chloride	2.782	84	40383	19.595	ug/l	94
19) trans-1,2-Dichloroethene	3.081	96	35153	19.531	ug/l	93
20) Diisopropyl ether	3.757	45	113727	20.276	ug/l	92
21) 1,1-Dichloroethane	3.599	63	65002	20.289	ug/l	99
22) cis-1,2-Dichloroethene	4.477	96	43780	20.094	ug/l	97
23) tert-Butyl Alcohol	2.995	59	42613	105.418	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	110383	19.860	ug/l	98
25) Chloroform	5.080	83	66670	20.476	ug/l	96
26) Cyclohexane	5.452	56	55450	19.926	ug/l #	100
29) 1,1-Dichloropropene	5.678	75	44541	20.240	ug/l	98
30) 2-Butanone	4.562	43	157249	106.944	ug/l	100
31) 2,2-Dichloropropane	4.465	77	51730	21.454	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	56685	20.321	ug/l	100
33) Carbon Tetrachloride	5.666	117	49618	20.624	ug/l	100
34) Benzene	6.025	78	147306	20.094	ug/l	99
35) Methacrylonitrile	4.922	41	30027	20.331	ug/l	96
36) 1,2-Dichloroethane	6.080	62	45616	19.974	ug/l	100
37) Trichloroethene	7.116	130	39751	19.852	ug/l	95
38) Methylcyclohexane	7.373	83	58962	20.228	ug/l	99
39) 1,2-Dichloropropane	7.427	63	35597	20.385	ug/l	99
40) Dibromomethane	7.580	93	26151	20.244	ug/l	99
41) Bromodichloromethane	7.818	83	48467	20.943	ug/l	97
42) Vinyl Acetate	3.715	43	504690	102.544	ug/l	100

06/18/2024
 Supervised By :Mahesh
 adoda

06/18/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.714	43	53814	19.519	ug/l	99	06/18/2024
44) Isopropyl Acetate	6.342	43	82969	20.092	ug/l	99	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	7.659	88	20985m	416.914	ug/l		
46) Methyl methacrylate	7.690	41	42517	21.059	ug/l	97	
47) n-amyl Acetate	10.841	43	75382	20.341	ug/l	98	
48) t-1,3-Dichloropropene	8.976	75	49031	20.578	ug/l	97	
49) cis-1,3-Dichloropropene	8.360	75	70385	26.334	ug/l	99	06/18/2024
50) 1,1,2-Trichloroethane	9.147	97	38749	20.630	ug/l	96	
51) Ethyl methacrylate	9.116	69	61811	20.715	ug/l	97	
52) 1,3-Dichloropropane	9.305	76	62864	20.472	ug/l	98	
53) Dibromochloromethane	9.518	129	42668	20.758	ug/l	100	
54) 1,2-Dibromoethane	9.604	107	41102	20.751	ug/l	100	
55) 2-Chloroethyl vinyl ether	8.238	63	125914	90.661	ug/l	95	
56) Bromoform	10.799	173	34779	20.750	ug/l	99	
58) 4-Methyl-2-Pentanone	8.574	43	298091	99.179	ug/l	100	
59) 2-Hexanone	9.427	43	234261	100.982	ug/l	99	
61) Tetrachloroethene	9.269	164	40211	19.052	ug/l	98	
62) Toluene	8.714	91	276165m	32.537	ug/l		
64) Chlorobenzene	10.079	112	111176	19.235	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	10.159	131	39536	19.806	ug/l	98	
66) Ethyl Benzene	10.189	91	180445	19.445	ug/l	97	
67) m/p-Xylenes	10.299	106	146605	39.277	ug/l	97	
68) o-Xylene	10.640	106	72288	19.425	ug/l	100	
69) Styrene	10.652	104	122534	19.704	ug/l	99	
70) Isopropylbenzene	10.957	105	183474	19.609	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	11.213	83	63356	19.565	ug/l	99	
72) 1,2,3-Trichloropropane	11.238	75	51315	19.565	ug/l	93	
73) Bromobenzene	11.195	156	52691	19.306	ug/l	99	
74) n-propylbenzene	11.305	91	202988	19.749	ug/l	100	
75) 2-Chlorotoluene	11.360	91	127533	19.540	ug/l	99	
76) 1,3,5-Trimethylbenzene	11.451	105	166418	21.230	ug/l	95	
77) t-1,4-Dichloro-2-butene	11.018	75	18091	18.645	ug/l	91	
78) 4-Chlorotoluene	11.457	91	263472	36.339	ug/l	74	
79) tert-butylbenzene	11.713	119	165124	19.845	ug/l	99	
80) 1,2,4-Trimethylbenzene	11.750	105	156053	19.927	ug/l	99	
81) sec-Butylbenzene	11.890	105	193412	19.929	ug/l	100	
82) p-Isopropyltoluene	12.006	119	167521	19.698	ug/l	99	
83) 1,3-Dichlorobenzene	11.969	146	93971	19.311	ug/l	100	
84) 1,4-Dichlorobenzene	12.042	146	95164	19.646	ug/l	99	
85) n-Butylbenzene	12.329	91	127655	19.411	ug/l	100	
86) Hexachloroethane	12.536	117	28229	20.325	ug/l	99	
87) 1,2-Dichlorobenzene	12.335	146	95577	19.421	ug/l	100	
88) 1,2-Dibromo-3-Chloropr...	12.939	75	12873	19.219	ug/l	96	
89) 1,2,4-Trichlorobenzene	13.585	180	64220	19.277	ug/l	99	
90) Hexachlorobutadiene	13.725	225	32550	19.828	ug/l	98	
91) Naphthalene	13.774	128	196677	19.539	ug/l	99	
92) 1,2,3-Trichlorobenzene	13.963	180	65661	19.031	ug/l	97	

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

