

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010924\
 Data File : VX039675.D
 Acq On : 09 Jan 2024 13:15
 Operator : JC/MD
 Sample : VX0109WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 10 05:32:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jan 09 06:15:26 2024
 Response via : Initial Calibration

01/10/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.897	128	8224	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	68264	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	80450	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	39293	30.476	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.600%
60) 4-Bromofluorobenzene	11.079	95	52739	29.722	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.067%
63) Toluene-d8	8.647	98	100017	30.238	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26720	19.231	ug/l	100
3) Chloromethane	1.294	50	31016	20.093	ug/l	97
4) Vinyl Chloride	1.374	62	29614	19.657	ug/l	96
5) Bromomethane	1.599	94	13784	19.147	ug/l	100
6) Chloroethane	1.666	64	13533	19.735	ug/l	96
7) Trichlorofluoromethane	1.874	101	41606	19.558	ug/l	95
8) Diethyl Ether	2.136	74	16279	20.451	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	25177	19.322	ug/l	98
10) 1,1-Dichloroethene	2.313	96	24005	19.227	ug/l	95
11) Methyl Iodide	2.447	142	27673	20.227	ug/l	98
12) Methyl Acetate	2.703	43	42276	21.025	ug/l	100
13) Acrolein	2.233	56	29651	98.834	ug/l	100
14) Acrylonitrile	3.062	53	96735	104.908	ug/l	99
15) Acetone	2.380	58	29545	101.581	ug/l	100
16) Carbon Disulfide	2.508	76	63746	18.939	ug/l	99
17) Allyl chloride	2.660	41	48624	19.751	ug/l	96
18) Methylene Chloride	2.788	84	26515	18.168	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	26218	19.791	ug/l	95
20) Diisopropyl ether	3.757	45	99462	20.698	ug/l #	99
21) 1,1-Dichloroethane	3.605	63	53432	19.914	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	30435	19.654	ug/l	96
23) tert-Butyl Alcohol	3.008	59	49358m	114.270	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	93568	20.448	ug/l	96
25) Chloroform	5.086	83	52021	19.756	ug/l	95
26) Cyclohexane	5.464	56	43356	18.627	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	35721	18.234	ug/l	98
30) 2-Butanone	4.556	43	142231	101.230	ug/l	98
31) 2,2-Dichloropropane	4.471	77	40517	18.603	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	42847	18.924	ug/l	97
33) Carbon Tetrachloride	5.672	117	32946	18.458	ug/l	94
34) Benzene	6.031	78	111552	19.196	ug/l	98
35) Methacrylonitrile	4.916	41	27398	20.266	ug/l	98
36) 1,2-Dichloroethane	6.086	62	45935	20.157	ug/l	97
37) Trichloroethene	7.123	130	25798	18.685	ug/l	95
38) Methylcyclohexane	7.373	83	44494	18.564	ug/l	95
39) 1,2-Dichloropropane	7.427	63	30561	19.518	ug/l	97
40) Dibromomethane	7.580	93	20557	19.436	ug/l	98
41) Bromodichloromethane	7.818	83	37692	19.231	ug/l #	99
42) Vinyl Acetate	3.715	43	469196	100.999	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	54726	20.781	ug/l	99
44) Isopropyl Acetate	6.336	43	81557	20.033	ug/l	98
45) 1,4-Dioxane	7.671	88	16268	414.462	ug/l	100
46) Methyl methacrylate	7.690	41	40150	20.534	ug/l	96
47) n-amyl Acetate	10.841	43	70574	19.849	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	40151	19.034	ug/l	93
49) cis-1,3-Dichloropropene	8.366	75	44800	19.392	ug/l	93
50) 1,1,2-Trichloroethane	9.153	97	28690	19.788	ug/l	99
51) Ethyl methacrylate	9.116	69	48672	20.097	ug/l	97
52) 1,3-Dichloropropane	9.305	76	49591	19.821	ug/l	99
53) Dibromochloromethane	9.519	129	26256	19.460	ug/l	98
54) 1,2-Dibromoethane	9.610	107	30624	20.155	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	120450	102.208	ug/l	99
56) Bromoform	10.799	173	17119	18.837	ug/l #	95
58) 4-Methyl-2-Pentanone	8.574	43	279187	105.503	ug/l	98
59) 2-Hexanone	9.433	43	225764	105.395	ug/l	96
61) Tetrachloroethene	9.275	164	20919	19.630	ug/l	94
62) Toluene	8.714	91	117077	19.630	ug/l	99
64) Chlorobenzene	10.079	112	69051	19.913	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	24573	19.933	ug/l	99
66) Ethyl Benzene	10.195	91	129570	19.785	ug/l	99
67) m/p-Xylenes	10.299	106	94897	39.670	ug/l	98
68) o-Xylene	10.640	106	46751	19.467	ug/l	94
69) Styrene	10.653	104	76743	19.989	ug/l	97
70) Isopropylbenzene	10.963	105	123490	19.482	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	50807	20.869	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	41345m	20.303	ug/l	
73) Bromobenzene	11.201	156	27472	19.630	ug/l	95
74) n-propylbenzene	11.305	91	145768	19.288	ug/l	99
75) 2-Chlorotoluene	11.366	91	91876	19.568	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	107165	19.790	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	12603	18.859	ug/l	82
78) 4-Chlorotoluene	11.451	91	102431	19.670	ug/l	96
79) tert-butylbenzene	11.713	119	99718	19.434	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	106068	19.737	ug/l	99
81) sec-Butylbenzene	11.890	105	126501	19.184	ug/l	98
82) p-Isopropyltoluene	12.006	119	100920	19.230	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	50775	19.412	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	51348	19.792	ug/l	99
85) n-Butylbenzene	12.335	91	89498	18.632	ug/l	99
86) Hexachloroethane	12.536	117	16552	18.435	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	51659	19.707	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11523	19.766	ug/l	94
89) 1,2,4-Trichlorobenzene	13.591	180	28792	19.482	ug/l	98
90) Hexachlorobutadiene	13.725	225	12513	19.341	ug/l	98
91) Naphthalene	13.774	128	117003	20.292	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	30252	19.770	ug/l	97

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

