

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010924\
 Data File : VX039674.D
 Acq On : 09 Jan 2024 12:49
 Operator : JC/MD
 Sample : VX0109WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 10 05:32:07 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	4.898	128	9147	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	71082	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83051	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	40087	27.955	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.167%
60) 4-Bromofluorobenzene	11.079	95	54165	29.570	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.567%
63) Toluene-d8	8.647	98	103243	30.236	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	28415	18.387	ug/l	99
3) Chloromethane	1.295	50	31508	18.352	ug/l	98
4) Vinyl Chloride	1.374	62	31158	18.595	ug/l	100
5) Bromomethane	1.599	94	14949	18.670	ug/l	98
6) Chloroethane	1.666	64	13533	17.744	ug/l	100
7) Trichlorofluoromethane	1.874	101	43662	18.453	ug/l	96
8) Diethyl Ether	2.136	74	16709	18.873	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	26660	18.396	ug/l	99
10) 1,1-Dichloroethene	2.313	96	26106	18.800	ug/l	94
11) Methyl Iodide	2.447	142	28386	18.655	ug/l	99
12) Methyl Acetate	2.703	43	42653	19.072	ug/l	99
13) Acrolein	2.233	56	29996	89.895	ug/l	100
14) Acrylonitrile	3.063	53	95017	92.647	ug/l	99
15) Acetone	2.380	58	29722	91.878	ug/l	100
16) Carbon Disulfide	2.502	76	68135	18.200	ug/l	98
17) Allyl chloride	2.660	41	52166	19.051	ug/l	96
18) Methylene Chloride	2.788	84	30876	19.021	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	26926	18.274	ug/l	98
20) Diisopropyl ether	3.758	45	101299	18.953	ug/l	98
21) 1,1-Dichloroethane	3.605	63	54148	18.145	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	32421	18.824	ug/l	97
23) tert-Butyl Alcohol	3.008	59	48885	101.754	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	96110	18.884	ug/l	97
25) Chloroform	5.087	83	54793	18.709	ug/l	91
26) Cyclohexane	5.465	56	46445	17.940	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	38950	19.095	ug/l	98
30) 2-Butanone	4.556	43	142113	97.136	ug/l	99
31) 2,2-Dichloropropane	4.471	77	42522	18.749	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	44699	18.960	ug/l	97
33) Carbon Tetrachloride	5.672	117	34299	18.455	ug/l	87
34) Benzene	6.031	78	117229	19.373	ug/l	97
35) Methacrylonitrile	4.916	41	26994	19.176	ug/l	97
36) 1,2-Dichloroethane	6.086	62	46256	19.493	ug/l #	88
37) Trichloroethene	7.123	130	27773	19.318	ug/l	93
38) Methylcyclohexane	7.373	83	47348	18.972	ug/l	98
39) 1,2-Dichloropropane	7.428	63	31313	19.205	ug/l	100
40) Dibromomethane	7.580	93	21691	19.695	ug/l	97
41) Bromodichloromethane	7.818	83	38588	18.908	ug/l	96
42) Vinyl Acetate	3.715	43	476258	98.455	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	54011	19.696	ug/l	99
44) Isopropyl Acetate	6.336	43	82653	19.497	ug/l	99
45) 1,4-Dioxane	7.665	88	16053	392.771	ug/l	97
46) Methyl methacrylate	7.690	41	40158	19.724	ug/l	95
47) n-amyl Acetate	10.842	43	71444	19.297	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	42522	19.359	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	47091	19.576	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	29782	19.727	ug/l	98
51) Ethyl methacrylate	9.116	69	49588	19.663	ug/l	98
52) 1,3-Dichloropropane	9.305	76	51452	19.750	ug/l	99
53) Dibromochloromethane	9.519	129	27217	19.372	ug/l	100
54) 1,2-Dibromoethane	9.610	107	31174	19.703	ug/l	96
55) 2-Chloroethyl vinyl ether	8.238	63	121843	99.291	ug/l	98
56) Bromoform	10.799	173	17965	18.984	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	278651	102.002	ug/l	98
59) 2-Hexanone	9.433	43	223484	101.063	ug/l	98
61) Tetrachloroethene	9.269	164	21098	19.178	ug/l	94
62) Toluene	8.714	91	122726	19.933	ug/l	99
64) Chlorobenzene	10.080	112	70463	19.684	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	25068	19.697	ug/l	100
66) Ethyl Benzene	10.195	91	132982	19.670	ug/l	99
67) m/p-Xylenes	10.299	106	98522	39.896	ug/l	99
68) o-Xylene	10.640	106	49106	19.807	ug/l	99
69) Styrene	10.653	104	79433	20.041	ug/l	99
70) Isopropylbenzene	10.964	105	128960	19.708	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	50488	20.088	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	42081m	20.017	ug/l	
73) Bromobenzene	11.195	156	27842	19.272	ug/l	95
74) n-propylbenzene	11.305	91	152372	19.530	ug/l	99
75) 2-Chlorotoluene	11.366	91	95983	19.803	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	109683	19.621	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	13035	18.895	ug/l	86
78) 4-Chlorotoluene	11.451	91	106447	19.801	ug/l	97
79) tert-butylbenzene	11.713	119	106102	20.031	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	109176	19.679	ug/l	99
81) sec-Butylbenzene	11.890	105	130661	19.194	ug/l	99
82) p-Isopropyltoluene	12.006	119	105669	19.504	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	52037	19.271	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	53085	19.821	ug/l	99
85) n-Butylbenzene	12.329	91	93314	18.818	ug/l	98
86) Hexachloroethane	12.536	117	16643	17.956	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	54237	20.043	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	11545	19.184	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	30228	19.813	ug/l	99
90) Hexachlorobutadiene	13.725	225	12488	18.698	ug/l	96
91) Naphthalene	13.774	128	121004	20.329	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	31425	19.894	ug/l	98

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

