

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041683.D
 Acq On : 30 May 2024 09:56
 Operator : JC/MD
 Sample : VX0530WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

05/31/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: May 31 05:26:37 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	27631	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	152024	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144781	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	64847	29.802	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.333%
60) 4-Bromofluorobenzene	11.079	95	69910	30.932	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.100%
63) Toluene-d8	8.647	98	182057	29.335	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.767%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28504	19.723	ug/l	98
3) Chloromethane	1.294	50	29709	18.772	ug/l	97
4) Vinyl Chloride	1.374	62	32941	19.770	ug/l	99
5) Bromomethane	1.599	94	22285	21.028	ug/l	99
6) Chloroethane	1.666	64	19103	22.676	ug/l	91
7) Trichlorofluoromethane	1.867	101	56676	22.409	ug/l	96
8) Diethyl Ether	2.136	74	21802	23.084	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.318	101	33588	22.902	ug/l	99
10) 1,1-Dichloroethene	2.306	96	30758	21.758	ug/l	93
11) Methyl Iodide	2.447	142	38737	23.006	ug/l	98
12) Methyl Acetate	2.703	43	49617	23.304	ug/l	96
13) Acrolein	2.239	56	23357	90.114	ug/l	98
14) Acrylonitrile	3.068	53	93353	99.728	ug/l	98
15) Acetone	2.386	58	31128	124.112	ug/l	99
16) Carbon Disulfide	2.501	76	59249	18.563	ug/l	97
17) Allyl chloride	2.660	41	53352	21.266	ug/l	99
18) Methylene Chloride	2.782	84	37300	22.184	ug/l	94
19) trans-1,2-Dichloroethene	3.087	96	31905	19.682	ug/l	99
20) Diisopropyl ether	3.763	45	112884	21.416	ug/l	91
21) 1,1-Dichloroethane	3.605	63	61907	20.926	ug/l	100
22) cis-1,2-Dichloroethene	4.489	96	39688	20.148	ug/l	100
23) tert-Butyl Alcohol	2.995	59	40403	101.709	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	109001	20.653	ug/l	99
25) Chloroform	5.086	83	65727	20.856	ug/l	99
26) Cyclohexane	5.458	56	48086	19.492	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	41886	20.829	ug/l	100
30) 2-Butanone	4.562	43	142360	106.652	ug/l	100
31) 2,2-Dichloropropane	4.471	77	50291	21.308	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	56272	20.854	ug/l	98
33) Carbon Tetrachloride	5.665	117	48284	20.913	ug/l	98
34) Benzene	6.031	78	133395	21.004	ug/l	98
35) Methacrylonitrile	4.922	41	28946	21.497	ug/l	99
36) 1,2-Dichloroethane	6.080	62	50842	21.452	ug/l	100
37) Trichloroethene	7.123	130	37043	20.934	ug/l	99
38) Methylcyclohexane	7.379	83	51639	20.223	ug/l	98
39) 1,2-Dichloropropane	7.427	63	32111	21.389	ug/l	94
40) Dibromomethane	7.580	93	24802	20.991	ug/l	100
41) Bromodichloromethane	7.818	83	48085	21.677	ug/l	99
42) Vinyl Acetate	3.721	43	487894	105.350	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	53723	20.859	ug/l	100
44) Isopropyl Acetate	6.342	43	81497	20.933	ug/l	100
45) 1,4-Dioxane	7.671	88	16322	371.746	ug/l	95
46) Methyl methacrylate	7.689	41	40517	20.917	ug/l	97
47) n-amyl Acetate	10.841	43	74951	21.230	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	46168	20.725	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	50763	21.038	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	36188	22.016	ug/l	96
51) Ethyl methacrylate	9.116	69	56150	21.223	ug/l	94
52) 1,3-Dichloropropane	9.305	76	59186	21.791	ug/l	99
53) Dibromochloromethane	9.518	129	39215	20.968	ug/l	99
54) 1,2-Dibromoethane	9.610	107	37818	21.697	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	157676	122.098	ug/l	100
56) Bromoform	10.799	173	31116	20.767	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	278398	105.240	ug/l	99
59) 2-Hexanone	9.433	43	219915	104.353	ug/l	100
61) Tetrachloroethene	9.268	164	35945	20.292	ug/l	96
62) Toluene	8.714	91	150219	20.852	ug/l	99
64) Chlorobenzene	10.079	112	102061	20.857	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	37207	21.482	ug/l	98
66) Ethyl Benzene	10.189	91	168485	21.062	ug/l	96
67) m/p-Xylenes	10.299	106	134787	43.088	ug/l	100
68) o-Xylene	10.640	106	66037	20.972	ug/l	100
69) Styrene	10.652	104	111741	21.165	ug/l	100
70) Isopropylbenzene	10.963	105	172725	21.708	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	59526	21.778	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	47488m	19.265	ug/l	
73) Bromobenzene	11.195	156	48246	20.636	ug/l	98
74) n-propylbenzene	11.305	91	191881	21.387	ug/l	100
75) 2-Chlorotoluene	11.360	91	123424	21.907	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	144310	21.249	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	15929	20.559	ug/l	94
78) 4-Chlorotoluene	11.451	91	135962	21.188	ug/l	98
79) tert-butylbenzene	11.713	119	153452	21.230	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	145194	21.330	ug/l	99
81) sec-Butylbenzene	11.890	105	181581	21.498	ug/l	99
82) p-Isopropyltoluene	12.006	119	158658	21.458	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	86964	20.741	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	89081	21.026	ug/l	99
85) n-Butylbenzene	12.329	91	125730	21.132	ug/l	99
86) Hexachloroethane	12.536	117	25477	20.467	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	89686	20.956	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	11894	19.814	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	60335	20.982	ug/l	97
90) Hexachlorobutadiene	13.725	225	30163	21.501	ug/l	99
91) Naphthalene	13.774	128	175607	20.432	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	62332	21.216	ug/l	99

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

