

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112824\
 Data File : VU062063.D
 Acq On : 27 Nov 2024 19:54
 Operator : MD/SY
 Sample : P4776-01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Nov 28 01:32:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 28 01:06:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/02/2024
 Supervised By :Semsettin Yesilyurt 12/02/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	172898	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	161648	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74882	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	56878	47.480	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.960%		
7) Chloroethane-d5	1.904	69	39971	46.296	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.600%		
11) 1,1-Dichloroethene-d2	2.560	63	83992	36.979	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.960%		
21) 2-Butanone-d5	4.618	46	85646	105.209	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.210%		
24) Chloroform-d	5.052	84	115868	46.342	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.680%		
26) 1,2-Dichloroethane-d4	5.689	65	77871	48.819	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.640%		
32) Benzene-d6	5.718	84	224855	48.644	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.280%		
36) 1,2-Dichloropropane-d6	6.679	67	72093	49.629	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.260%		
41) Toluene-d8	7.888	98	209782	49.023	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.040%		
43) trans-1,3-Dichloroprop...	8.171	79	35165	48.438	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.880%		
47) 2-Hexanone-d5	8.627	63	55849	102.063	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.060%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	102331	48.407	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.820%		
66) 1,2-Dichlorobenzene-d4	12.184	152	76226	51.745	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	4224	2.559	ug/L	91
3) Chloromethane	1.518	50	3499	2.572	ug/L	95
5) Vinyl chloride	1.602	62	3709	2.644	ug/L #	50
6) Bromomethane	1.853	94	1992	2.585	ug/L	94
8) Chloroethane	1.927	64	2086	2.581	ug/L	86
9) Trichlorofluoromethane	2.133	101	5420	2.527	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3458	2.875	ug/L #	68
12) 1,1-Dichloroethene	2.573	96	3647	3.334	ug/L #	1
13) Acetone	2.631	43	3645m	3.739	ug/L	
14) Carbon disulfide	2.789	76	8960	2.723	ug/L	95
15) Methyl Acetate	2.965	43	2924m	2.432	ug/L	
16) Methylene chloride	3.043	84	3103	2.488	ug/L	95
17) trans-1,2-Dichloroethene	3.351	96	2683	2.386	ug/L	96
18) Methyl tert-butyl Ether	3.358	73	8432	2.225	ug/L	97
19) 1,1-Dichloroethane	3.859	63	5031	2.335	ug/L	97
20) cis-1,2-Dichloroethene	4.663	96	3275	2.557	ug/L	92
22) 2-Butanone	4.727	43	5229m	4.973	ug/L	
23) Bromochloromethane	4.975	128	1653m	2.481	ug/L	
27) 1,2-Dichloroethane	5.788	62	4622	2.475	ug/L	100

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29) Cyclohexane	5.377	56	4290	2.323	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	4544	2.173	ug/L #	86
31) Carbon tetrachloride	5.515	117	3880	2.076	ug/L	86
34) Trichloroethene	6.538	95	3139	2.390	ug/L	93
35) Methylcyclohexane	6.756	83	4490	2.255	ug/L	99
37) 1,2-Dichloropropane	6.788	63	3013m	2.367	ug/L	
38) Bromodichloromethane	7.097	83	3974	2.317	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	5058	2.461	ug/L	91
40) 4-Methyl-2-pentanone	7.788	43	7476	4.702	ug/L	92
42) Toluene	7.962	91	12214	2.375	ug/L	99
44) trans-1,3-Dichloropropene	8.210	75	4607	2.424	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	2933	2.322	ug/L	97
46) Tetrachloroethene	8.547	164	2260	2.264	ug/L	94
48) 2-Hexanone	8.682	43	11544	8.613	ug/L #	86
49) Dibromochloromethane	8.801	129	3118	2.362	ug/L	98
50) 1,2-Dibromoethane	8.920	107	3164	2.306	ug/L #	98
51) Chlorobenzene	9.441	112	8141	2.506	ug/L	96
52) Ethylbenzene	9.563	91	12976	2.297	ug/L	98
53) m,p-Xylene	9.689	106	4859	2.326	ug/L	96
54) o-Xylene	10.094	106	4591	2.247	ug/L	72
55) Styrene	10.113	104	7241	2.106	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	5372	2.577	ug/L #	89
59) Bromoform	10.280	173	2132	2.258	ug/L #	81
60) 1,2,3-Trichloropropane	10.814	75	3802	2.485	ug/L	95
61) Isopropylbenzene	10.476	105	11912	2.363	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	9610	2.239	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	8825	2.135	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	6088	2.613	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	6541	2.766	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	5936	2.579	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.994	75	1012	2.347	ug/L	84
69) 1,3,5-Trichlorobenzene	13.216	180	3999	2.438	ug/L	95
70) 1,2,4-trichlorobenzene	13.843	180	3036m	2.168	ug/L	
71) Naphthalene	14.094	128	8482m	2.236	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	3002	2.221	ug/L	98

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

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