

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022824\
 Data File : VU057959.D
 Acq On : 28 Feb 2024 13:27
 Operator : MD/SY
 Sample : P1601-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2024-02

Quant Time: Feb 29 00:18:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 29 00:08:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/29/2024
 Supervised By :Semsettin Yesilyurt 02/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	265484	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	257805	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117998	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	90964	47.327	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.660%		
7) Chloroethane-d5	1.904	69	71677	50.455	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.900%		
11) 1,1-Dichloroethene-d2	2.557	63	123198	34.394	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.780%		
21) 2-Butanone-d5	4.608	46	85415	116.962	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.960%		
24) Chloroform-d	5.052	84	155576	47.735	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.480%		
26) 1,2-Dichloroethane-d4	5.692	65	102797	50.315	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.640%		
32) Benzene-d6	5.718	84	314758	48.718	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.440%		
36) 1,2-Dichloropropane-d6	6.682	67	102708	49.233	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.460%		
41) Toluene-d8	7.891	98	275044	47.029	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.060%		
43) trans-1,3-Dichloroprop...	8.174	79	47050	47.360	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.720%		
47) 2-Hexanone-d5	8.627	63	57226	71.354	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	71.350%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	121894	42.343	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.680%		
66) 1,2-Dichlorobenzene-d4	12.190	152	92908	48.626	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	4955	1.702	ug/L	96
3) Chloromethane	1.515	50	5152	1.741	ug/L	95
5) Vinyl chloride	1.599	62	5377	1.840	ug/L #	71
6) Bromomethane	1.850	94	2949	2.585	ug/L	96
8) Chloroethane	1.927	64	3262	1.909	ug/L	97
9) Trichlorofluoromethane	2.132	101	6460	1.807	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4652	2.238	ug/L #	77
12) 1,1-Dichloroethene	2.567	96	4441	2.310	ug/L #	1
13) Acetone	2.615	43	4622	3.418	ug/L	97
14) Carbon disulfide	2.785	76	11310	1.798	ug/L	96
15) Methyl Acetate	2.952	43	3376	1.534	ug/L #	85
16) Methylene chloride	3.033	84	4865	1.942	ug/L	84
17) trans-1,2-Dichloroethene	3.348	96	3520	1.765	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	11978	1.725	ug/L #	82
19) 1,1-Dichloroethane	3.862	63	7576	1.832	ug/L	96
20) cis-1,2-Dichloroethene	4.663	96	4108	1.796	ug/L	93
22) 2-Butanone	4.714	43	6330m	3.864	ug/L	
23) Bromochloromethane	4.975	128	1617	1.455	ug/L	92
27) 1,2-Dichloroethane	5.792	62	6265	1.844	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	5704	1.503	ug/L	88
30) 1,1,1-Trichloroethane	5.306	97	5855	1.685	ug/L #	78
31) Carbon tetrachloride	5.515	117	5097	1.708	ug/L	98
34) Trichloroethene	6.537	95	4220	1.826	ug/L	91
35) Methylcyclohexane	6.756	83	6930	1.845	ug/L	93
37) 1,2-Dichloropropane	6.785	63	4693	1.850	ug/L #	89
38) Bromodichloromethane	7.103	83	5476	1.797	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	6464	1.667	ug/L	86
42) Toluene	7.968	91	16390	1.761	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	5885m	1.636	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	3899	1.730	ug/L	98
46) Tetrachloroethene	8.547	164	2837	1.784	ug/L	95
49) Dibromochloromethane	8.807	129	3758	1.674	ug/L	93
50) 1,2-Dibromoethane	8.920	107	4226	1.780	ug/L #	79
51) Chlorobenzene	9.444	112	10848	1.833	ug/L	95
52) Ethylbenzene	9.566	91	17954	1.721	ug/L	97
53) m,p-Xylene	9.695	106	6499	1.713	ug/L	86
54) o-Xylene	10.097	106	5545	1.479	ug/L	86
55) Styrene	10.116	104	9420	1.465	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	6694	1.743	ug/L #	93
60) 1,2,3-Trichloropropane	10.817	75	4845	1.772	ug/L #	90
61) Isopropylbenzene	10.479	105	14984	1.625	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	11887	1.496	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	11667	1.461	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	6824	1.674	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	8286	1.995	ug/L	91
67) 1,2-Dichlorobenzene	12.209	146	7581	1.890	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.000	75	1131	1.742	ug/L #	47
69) 1,3,5-Trichlorobenzene	13.219	180	4822m	1.758	ug/L	
70) 1,2,4-trichlorobenzene	13.843	180	3874	1.755	ug/L	95
71) Naphthalene	14.093	128	8733	1.489	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	3964	1.955	ug/L #	89

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

