

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052524\
 Data File : VU058992.D
 Acq On : 25 May 2024 12:29
 Operator : MD/SY
 Sample : P2409-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2024-04

Quant Time: May 27 05:41:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 04:10:55 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024
 Supervised By :Semsettin Yesilyurt 05/30/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	127082	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	125778	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	54839	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	64393	47.909	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.820%		
7) Chloroethane-d5	1.888	69	55027	49.262	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.520%		
11) 1,1-Dichloroethene-d2	2.554	63	81192	39.539	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.080%		
21) 2-Butanone-d5	4.608	46	111536	120.809	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	120.810%		
24) Chloroform-d	5.052	84	116019	50.324	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.640%		
26) 1,2-Dichloroethane-d4	5.692	65	78070	55.371	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	110.740%		
32) Benzene-d6	5.718	84	229201	53.451	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.900%		
36) 1,2-Dichloropropane-d6	6.682	67	78621	55.511	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	111.020%		
41) Toluene-d8	7.891	98	188054	48.927	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.860%		
43) trans-1,3-Dichloroprop...	8.171	79	30797	48.425	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.860%		
47) 2-Hexanone-d5	8.624	63	65086	111.112	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.110%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	113405	53.224	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.440%		
66) 1,2-Dichlorobenzene-d4	12.187	152	61505	54.355	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	2300	2.705	ug/L	100
3) Chloromethane	1.515	50	3234	3.550	ug/L	87
5) Vinyl chloride	1.599	62	2908	2.733	ug/L #	53
6) Bromomethane	1.824	94	2443	3.874	ug/L	90
8) Chloroethane	1.911	64	2051	2.811	ug/L	92
9) Trichlorofluoromethane	2.123	101	4053	2.801	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	3203	3.256	ug/L #	80
12) 1,1-Dichloroethene	2.567	96	2728	3.465	ug/L #	1
13) Acetone	2.621	43	5481	6.733	ug/L	96
14) Carbon disulfide	2.782	76	5050	3.409	ug/L #	94
15) Methyl Acetate	2.943	43	4578m	3.490	ug/L	
16) Methylene chloride	3.033	84	4679	3.726	ug/L	94
17) trans-1,2-Dichloroethene	3.342	96	2062	2.607	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	8705	2.781	ug/L	96
19) 1,1-Dichloroethane	3.856	63	5983m	2.970	ug/L	
20) cis-1,2-Dichloroethene	4.663	96	2861	2.733	ug/L	95
22) 2-Butanone	4.708	43	6578m	6.204	ug/L	
23) Bromochloromethane	4.972	128	1270	2.327	ug/L #	78
27) 1,2-Dichloroethane	5.792	62	5316	3.274	ug/L #	93

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29) Cyclohexane	5.380	56	2631	2.458	ug/L	93
30) 1,1,1-Trichloroethane	5.306	97	4672	3.095	ug/L	95
31) Carbon tetrachloride	5.518	117	3264	2.677	ug/L #	52
34) Trichloroethene	6.538	95	3298	3.286	ug/L	88
35) Methylcyclohexane	6.756	83	3031	2.577	ug/L	95
37) 1,2-Dichloropropane	6.782	63	4003	3.257	ug/L #	98
38) Bromodichloromethane	7.100	83	4505	2.950	ug/L	82
39) cis-1,3-Dichloropropene	7.602	75	4502	2.660	ug/L	93
40) 4-Methyl-2-pentanone	7.788	43	10010	5.714	ug/L #	96
42) Toluene	7.968	91	10485	2.587	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	4344	2.711	ug/L	91
45) 1,1,2-Trichloroethane	8.396	97	3414	2.814	ug/L	91
46) Tetrachloroethene	8.547	164	1668	2.493	ug/L	80
48) 2-Hexanone	8.679	43	13076	9.065	ug/L #	85
49) Dibromochloromethane	8.804	129	3084	2.660	ug/L	85
50) 1,2-Dibromoethane	8.917	107	3314	2.859	ug/L #	99
51) Chlorobenzene	9.444	112	7704	2.876	ug/L	96
52) Ethylbenzene	9.566	91	10831	2.469	ug/L	97
53) m,p-Xylene	9.692	106	3699	2.348	ug/L	95
54) o-Xylene	10.094	106	3575	2.267	ug/L	93
55) Styrene	10.116	104	5222	1.854	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	7111	3.252	ug/L	97
59) Bromoform	10.287	173	2252	3.098	ug/L #	83
60) 1,2,3-Trichloropropane	10.814	75	5590	4.006	ug/L	90
61) Isopropylbenzene	10.480	105	9571	2.733	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	6324	2.292	ug/L	93
63) 1,2,4-Trimethylbenzene	11.467	105	7006	2.518	ug/L	89
64) 1,3-Dichlorobenzene	11.743	146	4703	2.587	ug/L	90
65) 1,4-Dichlorobenzene	11.830	146	5102	2.778	ug/L	90
67) 1,2-Dichlorobenzene	12.206	146	5418	2.930	ug/L #	93
68) 1,2-Dibromo-3-chloropr...	12.994	75	1232	3.263	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.222	180	2922	2.282	ug/L	91
70) 1,2,4-trichlorobenzene	13.843	180	2315	2.099	ug/L #	92
71) Naphthalene	14.094	128	7296m	2.268	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	2522	2.232	ug/L #	88

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

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