

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051324\
 Data File : VV035591.D
 Acq On : 13 May 2024 10:47
 Operator : SY/MD
 Sample : P2409-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 14 01:45:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 14 01:24:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/14/2024
 Supervised By :Semsettin Yesilyurt 05/14/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	465219	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	460689	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	204116	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	143585	40.028	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.060%		
7) Chloroethane-d5	1.523	69	131186	49.627	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.260%		
11) 1,1-Dichloroethene-d2	2.056	65	65913	42.806	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.620%		
21) 2-Butanone-d5	3.783	46	210628	87.003	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.000%		
24) Chloroform-d	4.243	84	313039	47.577	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.160%		
26) 1,2-Dichloroethane-d4	4.937	65	189847	48.995	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.000%		
32) Benzene-d6	4.957	84	608545	46.929	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.860%		
36) 1,2-Dichloropropane-d6	5.986	67	197271	48.791	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.580%		
41) Toluene-d8	7.239	98	513336	43.491	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.980%		
43) trans-1,3-Dichloroprop...	7.551	79	83211	42.227	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.460%		
47) 2-Hexanone-d5	8.021	63	148634	79.998	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.000%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	262839	42.663	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	85.320%		
66) 1,2-Dichlorobenzene-d4	11.558	152	203894	50.278	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	7884	2.530	ug/L	97
3) Chloromethane	1.214	50	9542	2.826	ug/L	98
5) Vinyl chloride	1.282	62	9652	2.715	ug/L #	81
6) Bromomethane	1.478	94	5271m	2.332	ug/L	
8) Chloroethane	1.542	64	6323	3.093	ug/L	98
9) Trichlorofluoromethane	1.709	101	13294	2.779	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	10038	3.311	ug/L	88
12) 1,1-Dichloroethene	2.066	96	8807	3.252	ug/L #	1
13) Acetone	2.114	43	13163	5.873	ug/L	100
14) Carbon disulfide	2.236	76	17892	2.515	ug/L	99
15) Methyl Acetate	2.381	43	8893	2.446	ug/L #	77
16) Methylene chloride	2.445	84	9719	2.832	ug/L	90
17) trans-1,2-Dichloroethene	2.696	96	7507	2.622	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	22713	2.256	ug/L	98
19) 1,1-Dichloroethane	3.114	63	15917	2.648	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	9106	2.674	ug/L	91
22) 2-Butanone	3.912	43	12570m	4.738	ug/L	
23) Bromochloromethane	4.162	128	4658	2.501	ug/L	96
27) 1,2-Dichloroethane	5.056	62	11813m	2.660	ug/L	

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29) Cyclohexane	4.577	56	8916m	2.168	ug/L	
30) 1,1,1-Trichloroethane	4.510	97	13557	2.571	ug/L	99
31) Carbon tetrachloride	4.735	117	11927	2.616	ug/L	98
33) Benzene	5.015	78	32540m	2.616	ug/L	
34) Trichloroethene	5.841	95	9691	2.927	ug/L	93
35) Methylcyclohexane	6.047	83	11721m	2.510	ug/L	
37) 1,2-Dichloropropane	6.104	63	8843m	2.587	ug/L	
38) Bromodichloromethane	6.439	83	12718	2.705	ug/L	98
39) cis-1,3-Dichloropropene	6.966	75	13424m	2.502	ug/L	
40) 4-Methyl-2-pentanone	7.166	43	19485m	4.271	ug/L	
42) Toluene	7.323	91	32281	2.473	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	12808m	2.513	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	9332	2.553	ug/L	95
46) Tetrachloroethene	7.908	164	6764	2.530	ug/L	96
48) 2-Hexanone	8.088	43	20723m	5.582	ug/L	
49) Dibromochloromethane	8.178	129	10206	2.667	ug/L	92
50) 1,2-Dibromoethane	8.291	107	9725	2.546	ug/L	94
51) Chlorobenzene	8.815	112	22586	2.493	ug/L	96
52) Ethylbenzene	8.950	91	31798	2.255	ug/L	98
53) m,p-Xylene	9.079	106	11534m	2.205	ug/L	
54) o-Xylene	9.481	106	10410	1.975	ug/L	94
55) Styrene	9.503	104	16580m	1.820	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	15477	2.474	ug/L #	92
59) Bromoform	9.667	173	7133	2.702	ug/L #	94
60) Isopropylbenzene	9.866	105	26759	2.270	ug/L	96
61) 1,2,3-Trichloropropane	10.210	75	12193	2.978	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	20420	2.165	ug/L	96
63) 1,2,4-Trimethylbenzene	10.853	105	19223	2.032	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	15346	2.514	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	16857	2.617	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	18601	2.913	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.368	75	3310	2.745	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.583	180	11555	2.494	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	9178	2.249	ug/L	98
71) Naphthalene	13.442	128	22354m	1.954	ug/L	
72) 1,2,3-Trichlorobenzene	13.680	180	10068	2.377	ug/L	97

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

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