

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051024\
 Data File : VV035573.D
 Acq On : 10 May 2024 10:52
 Operator : SY/MD
 Sample : P2409-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2024-03

Quant Time: May 10 23:50:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 23:44:12 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2024
 Supervised By :Semsettin Yesilyurt 05/13/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	453099	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	456811	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	200769	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	142786	40.870	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.740%		
7) Chloroethane-d5	1.523	69	127773	49.629	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.260%		
11) 1,1-Dichloroethene-d2	2.053	65	64706	43.146	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.300%		
21) 2-Butanone-d5	3.786	46	214985	91.179	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.180%		
24) Chloroform-d	4.246	84	305557	47.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.360%		
26) 1,2-Dichloroethane-d4	4.937	65	190154	50.387	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.780%		
32) Benzene-d6	4.956	84	600386	46.693	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.380%		
36) 1,2-Dichloropropane-d6	5.985	67	198543	49.523	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.040%		
41) Toluene-d8	7.243	98	514980	44.000	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.000%		
43) trans-1,3-Dichloroprop...	7.551	79	85389	43.700	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.400%		
47) 2-Hexanone-d5	8.021	63	154692	83.965	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.960%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	267675	43.816	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.640%		
66) 1,2-Dichlorobenzene-d4	11.557	152	197822	49.594	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	6986	2.301	ug/L	99
3) Chloromethane	1.214	50	9562	2.908	ug/L	100
5) Vinyl chloride	1.281	62	9011	2.602	ug/L #	72
6) Bromomethane	1.474	94	4583	2.081	ug/L	93
8) Chloroethane	1.539	64	5954	2.990	ug/L	96
9) Trichlorofluoromethane	1.706	101	11783	2.529	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	9100	3.082	ug/L #	83
12) 1,1-Dichloroethene	2.063	96	8328	3.157	ug/L #	1
13) Acetone	2.114	43	12835	5.880	ug/L	96
14) Carbon disulfide	2.236	76	16894	2.438	ug/L	99
15) Methyl Acetate	2.381	43	9329	2.635	ug/L	91
16) Methylene chloride	2.445	84	10289	3.078	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	6790	2.435	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	22251	2.269	ug/L	98
19) 1,1-Dichloroethane	3.111	63	14379	2.456	ug/L	95
20) cis-1,2-Dichloroethene	3.815	96	7994	2.411	ug/L	96
22) 2-Butanone	3.924	43	11492m	4.447	ug/L	
23) Bromochloromethane	4.159	128	4475	2.467	ug/L	92
27) 1,2-Dichloroethane	5.059	62	11929	2.758	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.577	56	8456	2.073	ug/L #	59
30) 1,1,1-Trichloroethane	4.513	97	13275	2.539	ug/L	99
31) Carbon tetrachloride	4.731	117	11056	2.446	ug/L	98
33) Benzene	5.018	78	28998	2.351	ug/L	100
34) Trichloroethene	5.844	95	8530	2.598	ug/L	95
35) Methylcyclohexane	6.046	83	9997	2.159	ug/L	94
37) 1,2-Dichloropropane	6.101	63	8397	2.478	ug/L #	95
38) Bromodichloromethane	6.439	83	11607	2.489	ug/L	97
39) cis-1,3-Dichloropropene	6.966	75	13194m	2.480	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	19218m	4.248	ug/L	
42) Toluene	7.323	91	30536	2.360	ug/L	95
44) trans-1,3-Dichloropropene	7.593	75	12049m	2.384	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	8543	2.357	ug/L	97
46) Tetrachloroethene	7.905	164	6141	2.316	ug/L	93
48) 2-Hexanone	8.091	43	18979m	5.156	ug/L	
49) Dibromochloromethane	8.178	129	8940	2.356	ug/L	97
50) 1,2-Dibromoethane	8.288	107	9262	2.446	ug/L	97
51) Chlorobenzene	8.818	112	21840	2.431	ug/L	97
52) Ethylbenzene	8.950	91	28218	2.018	ug/L	99
53) m,p-Xylene	9.082	106	9768	1.883	ug/L	98
54) o-Xylene	9.480	106	10324	1.975	ug/L	94
55) Styrene	9.506	104	15428	1.708	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.175	83	15141	2.441	ug/L #	99
59) Bromoform	9.667	173	6957	2.679	ug/L #	98
60) Isopropylbenzene	9.866	105	24429	2.107	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	11505	2.856	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	18096	1.950	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	17958	1.930	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	14657	2.441	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	16316	2.576	ug/L	94
67) 1,2-Dichlorobenzene	11.577	146	16989	2.705	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.368	75	2979	2.511	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	10551	2.315	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	8858	2.207	ug/L	98
71) Naphthalene	13.442	128	22942	2.039	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	9730	2.335	ug/L	99

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

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