

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050924\
 Data File : VX041433.D
 Acq On : 09 May 2024 14:38
 Operator : JC/MD
 Sample : P2409-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 09 23:49:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML050924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 23:24:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	277289	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	253174	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	132641	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	77189	49.082	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.160%		
7) Chloroethane-d5	1.648	69	58441	50.650	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.300%		
11) 1,1-Dichloroethene-d2	2.294	65	36009	45.494	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.980%		
21) 2-Butanone-d5	4.459	46	138653	118.258	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.260%		
24) Chloroform-d	5.050	84	176474	50.745	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.500%		
26) 1,2-Dichloroethane-d4	5.952	65	121234	48.460	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.920%		
32) Benzene-d6	5.964	84	359606	51.993	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.980%		
36) 1,2-Dichloropropane-d6	7.306	67	105509	51.340	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.680%		
41) Toluene-d8	8.647	98	333021	46.618	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.240%		
43) trans-1,3-Dichloroprop...	8.952	79	47275	45.917	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.840%		
47) 2-Hexanone-d5	9.385	63	99993	104.417	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.420%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	156673	48.443	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.880%		
66) 1,2-Dichlorobenzene-d4	12.317	152	145308	53.614	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	4161	2.180	ug/L	95
3) Chloromethane	1.295	50	3459	2.124	ug/L	94
5) Vinyl chloride	1.374	62	4007	2.389	ug/L #	53
6) Bromomethane	1.593	94	2615	2.237	ug/L	86
8) Chloroethane	1.666	64	2644	2.753	ug/L	99
9) Trichlorofluoromethane	1.868	101	6364	2.155	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	4889	2.696	ug/L #	77
12) 1,1-Dichloroethene	2.307	96	3988	2.475	ug/L #	1
13) Acetone	2.392	43	4556	3.785	ug/L	98
14) Carbon disulfide	2.502	76	7374	1.899	ug/L	100
15) Methyl Acetate	2.703	43	4925	2.424	ug/L	99
16) Methylene chloride	2.782	84	5578	3.120	ug/L	94
17) trans-1,2-Dichloroethene	3.087	96	3751	2.266	ug/L	96
18) Methyl tert-butyl Ether	3.117	73	12607	2.232	ug/L	99
19) 1,1-Dichloroethane	3.605	63	6852	2.235	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	4180	2.187	ug/L	88
22) 2-Butanone	4.574	43	6957m	4.629	ug/L	
23) Bromochloromethane	4.904	128	2337	2.298	ug/L	90
27) 1,2-Dichloroethane	6.092	62	6066	2.199	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.465	56	6141	2.181	ug/L #	95
30) 1,1,1-Trichloroethane	5.379	97	6236	2.093	ug/L	98
31) Carbon tetrachloride	5.672	117	5473	2.069	ug/L	94
33) Benzene	6.032	78	15712	2.218	ug/L	100
35) Methylcyclohexane	7.373	83	6672	2.219	ug/L #	88
37) 1,2-Dichloropropane	7.428	63	4175	2.340	ug/L #	92
38) Bromodichloromethane	7.824	83	4439	1.841	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	5979	2.024	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	10982	3.825	ug/L	99
42) Toluene	8.720	91	16687	2.159	ug/L	94
44) trans-1,3-Dichloropropene	8.982	75	5689	2.065	ug/L	92
45) 1,1,2-Trichloroethane	9.153	97	4143	2.100	ug/L	97
46) Tetrachloroethene	9.275	164	4111	2.214	ug/L	98
48) 2-Hexanone	9.433	43	10226	4.446	ug/L	99
49) Dibromochloromethane	9.519	129	3756	1.884	ug/L	100
50) 1,2-Dibromoethane	9.610	107	4348	2.119	ug/L	99
51) Chlorobenzene	10.080	112	11707	2.271	ug/L	92
52) Ethylbenzene	10.195	91	18198	2.146	ug/L	100
53) m,p-Xylene	10.305	106	6918	2.039	ug/L	96
54) o-Xylene	10.640	106	6579	1.903	ug/L	85
55) Styrene	10.659	104	11258m	1.950	ug/L	
57) 1,1,2,2-Tetrachloroethane	11.214	83	7721	2.359	ug/L	99
59) Bromoform	10.805	173	3021	1.946	ug/L #	95
60) Isopropylbenzene	10.964	105	18173	2.246	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	5807	2.561	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	11528	2.108	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	13326	2.012	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	9391	2.281	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	10175	2.387	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	1278	2.095	ug/L	95
69) 1,3,5-Trichlorobenzene	13.116	180	6628	2.157	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5999	2.138	ug/L	99
71) Naphthalene	13.780	128	16872m	2.014	ug/L	
72) 1,2,3-Trichlorobenzene	13.963	180	6072	2.075	ug/L	98

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

