

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030724\
 Data File : VX040609.D
 Acq On : 06 Mar 2024 17:21
 Operator : JC/MD
 Sample : P1601-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Quant Time: Mar 07 03:23:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML030724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 07 01:31:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2024
 Supervised By : Mahesh Dadoda 03/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	146234	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	139499	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	68576	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	64377	50.221	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 100.440%			
7) Chloroethane-d5	1.666	69	52653	51.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.900%			
11) 1,1-Dichloroethene-d2	2.306	65	29254	49.576	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.160%			
21) 2-Butanone-d5	4.452	46	104434	106.168	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.170%			
24) Chloroform-d	5.056	84	119902	50.368	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.740%			
26) 1,2-Dichloroethane-d4	5.958	65	90352	50.837	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.680%			
32) Benzene-d6	5.976	84	224492	52.454	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.900%			
36) 1,2-Dichloropropane-d6	7.305	67	69784	52.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.220%			
41) Toluene-d8	8.647	98	206916	50.168	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.340%			
43) trans-1,3-Dichloroprop...	8.952	79	35895	50.846	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 101.700%			
47) 2-Hexanone-d5	9.384	63	75975	103.808	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 103.810%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	101703	51.211	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.420%			
66) 1,2-Dichlorobenzene-d4	12.323	152	76664	53.376	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	3429	2.627	ug/L	100
3) Chloromethane	1.294	50	2876	2.535	ug/L	90
5) Vinyl chloride	1.374	62	3510	2.859	ug/L #	67
6) Bromomethane	1.611	94	1883	2.889	ug/L	95
8) Chloroethane	1.691	64	1902	2.702	ug/L	90
9) Trichlorofluoromethane	1.892	101	4940	2.892	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	3068	3.028	ug/L	93
12) 1,1-Dichloroethene	2.319	96	2755	3.091	ug/L #	1
13) Acetone	2.380	43	3190	4.541	ug/L	93
14) Carbon disulfide	2.514	76	6756	2.619	ug/L	97
15) Methyl Acetate	2.709	43	3043	2.566	ug/L	97
16) Methylene chloride	2.782	84	2867	2.921	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	2186	2.389	ug/L	95
18) Methyl tert-butyl Ether	3.117	73	7242	2.288	ug/L	98
19) 1,1-Dichloroethane	3.617	63	4468	2.513	ug/L	96
20) cis-1,2-Dichloroethene	4.495	96	2590	2.524	ug/L	96
22) 2-Butanone	4.568	43	4196	4.511	ug/L	80
23) Bromochloromethane	4.910	128	1322	2.526	ug/L #	60
25) Chloroform	5.086	83	8326	4.150	ug/L	88

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27) 1,2-Dichloroethane	6.092	62	4687	2.658	ug/L	98
29) Cyclohexane	5.477	56	3935m	2.567	ug/L	
30) 1,1,1-Trichloroethane	5.373	97	4333m	2.494	ug/L	
31) Carbon tetrachloride	5.684	117	3648	2.502	ug/L	98
33) Benzene	6.043	78	8961	2.391	ug/L	100
35) Methylcyclohexane	7.379	83	4164	2.576	ug/L	98
37) 1,2-Dichloropropane	7.434	63	2652m	2.673	ug/L	
38) Bromodichloromethane	7.824	83	3458	2.357	ug/L #	92
39) cis-1,3-Dichloropropene	8.372	75	4098	2.453	ug/L	96
40) 4-Methyl-2-pentanone	8.574	43	7876	4.631	ug/L	98
42) Toluene	8.720	91	10040	2.442	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	3675m	2.259	ug/L	
45) 1,1,2-Trichloroethane	9.153	97	2748	2.683	ug/L	97
46) Tetrachloroethene	9.275	164	2013	2.534	ug/L	97
48) 2-Hexanone	9.433	43	7261	5.152	ug/L	98
49) Dibromochloromethane	9.518	129	2399	2.242	ug/L	98
50) 1,2-Dibromoethane	9.616	107	2601	2.362	ug/L #	87
51) Chlorobenzene	10.079	112	6721	2.523	ug/L	94
52) Ethylbenzene	10.195	91	11453	2.371	ug/L	96
53) m,p-Xylene	10.299	106	4468	2.544	ug/L	95
54) o-Xylene	10.646	106	3766	2.234	ug/L	78
55) Styrene	10.659	104	6446	2.194	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	4582	2.714	ug/L	97
59) Bromoform	10.799	173	1600	2.012	ug/L #	94
60) Isopropylbenzene	10.963	105	10669	2.317	ug/L	96
61) 1,2,3-Trichloropropane	11.238	75	3229	2.363	ug/L	93
62) 1,3,5-Trimethylbenzene	11.451	105	9221	2.416	ug/L	95
63) 1,2,4-Trimethylbenzene	11.750	105	8727	2.286	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	4743	2.353	ug/L	90
65) 1,4-Dichlorobenzene	12.042	146	5652	2.757	ug/L	90
67) 1,2-Dichlorobenzene	12.335	146	4987	2.602	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1003	2.507	ug/L	97
69) 1,3,5-Trichlorobenzene	13.115	180	3704	2.738	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	3210	2.558	ug/L	94
71) Naphthalene	13.774	128	8472	2.124	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	2952	2.388	ug/L	96

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

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