

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051024\
 Data File : VX041451.D
 Acq On : 10 May 2024 11:26
 Operator : JC/MD
 Sample : P2409-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 10 23:26:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM050924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 23:16:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John

Carlone

05/13/2024

Supervised By :Mahesh

Dadoda

05/13/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	255233	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	198953	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	100955	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.374	65	75069	51.859	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.720%
7) Chloroethane-d5	1.648	69	51786	48.761	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.520%
11) 1,1-Dichloroethene-d2	2.294	65	33348	45.773	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.540%
21) 2-Butanone-d5	4.458	46	128055	118.657	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.660%
24) Chloroform-d	5.050	84	159730	49.900	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.952	65	110022	47.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.560%
32) Benzene-d6	5.964	84	318534	58.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.220%
36) 1,2-Dichloropropane-d6	7.305	67	94878	58.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.500%
41) Toluene-d8	8.647	98	290223	51.699	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.400%
43) trans-1,3-Dichloroprop...	8.952	79	41041	50.725	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.460%
47) 2-Hexanone-d5	9.384	63	89997	119.591	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.590%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	123170	48.463	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.920%
66) 1,2-Dichlorobenzene-d4	12.323	152	110508	53.571	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.140%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	4052	2.306	ug/L #	88
3) Chloromethane	1.300	50	3784	2.525	ug/L	86
5) Vinyl chloride	1.374	62	4685	3.035	ug/L #	59
6) Bromomethane	1.599	94	2521	2.343	ug/L	98
8) Chloroethane	1.666	64	2323m	2.628	ug/L	
9) Trichlorofluoromethane	1.867	101	6501	2.392	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	4931	2.954	ug/L	83
12) 1,1-Dichloroethene	2.306	96	4243	2.861	ug/L #	1
13) Acetone	2.392	43	5771	5.208	ug/L	100
14) Carbon disulfide	2.501	76	7553	2.113	ug/L	98
15) Methyl Acetate	2.709	43	5025	2.687	ug/L	97
16) Methylene chloride	2.788	84	4624	2.810	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	3626	2.379	ug/L	94
18) Methyl tert-butyl Ether	3.117	73	12122	2.331	ug/L	97
19) 1,1-Dichloroethane	3.611	63	6856	2.430	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	4139	2.353	ug/L	97
22) 2-Butanone	4.574	43	6713m	4.852	ug/L	
23) Bromochloromethane	4.903	128	2250m	2.403	ug/L	
27) 1,2-Dichloroethane	6.086	62	6324	2.491	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	5.464	56	5661	2.559	ug/L	#	88
30) 1,1,1-Trichloroethane	5.379	97	6288	2.685	ug/L		96
31) Carbon tetrachloride	5.672	117	5065	2.436	ug/L		100
33) Benzene	6.037	78	15744	2.828	ug/L		100
35) Methylcyclohexane	7.373	83	6530	2.764	ug/L		97
37) 1,2-Dichloropropane	7.434	63	4106m	2.929	ug/L		
38) Bromodichloromethane	7.824	83	4468	2.358	ug/L		94
39) cis-1,3-Dichloropropene	8.366	75	5878	2.532	ug/L		98
40) 4-Methyl-2-pentanone	8.580	43	10308	4.569	ug/L		99
42) Toluene	8.720	91	16498	2.716	ug/L		96
44) trans-1,3-Dichloropropene	8.976	75	5405m	2.497	ug/L		
45) 1,1,2-Trichloroethane	9.153	97	4081	2.633	ug/L		92
46) Tetrachloroethene	9.269	164	3799	2.603	ug/L		95
48) 2-Hexanone	9.433	43	9082	5.025	ug/L	#	85
49) Dibromochloromethane	9.518	129	3442	2.197	ug/L		90
50) 1,2-Dibromoethane	9.610	107	3843	2.383	ug/L	#	94
51) Chlorobenzene	10.079	112	9547	2.357	ug/L		95
52) Ethylbenzene	10.195	91	15171	2.276	ug/L		96
53) m,p-Xylene	10.305	106	5970	2.239	ug/L		95
54) o-Xylene	10.646	106	5769	2.123	ug/L		91
55) Styrene	10.659	104	9139	2.014	ug/L		99
57) 1,1,2,2-Tetrachloroethane	11.213	83	6399	2.488	ug/L	#	93
59) Bromoform	10.805	173	2397	2.029	ug/L	#	91
60) Isopropylbenzene	10.963	105	14489	2.352	ug/L		97
61) 1,2,3-Trichloropropane	11.238	75	4442	2.574	ug/L		98
62) 1,3,5-Trimethylbenzene	11.451	105	9039	2.172	ug/L		97
63) 1,2,4-Trimethylbenzene	11.750	105	10390	2.061	ug/L		99
64) 1,3-Dichlorobenzene	11.969	146	7396	2.360	ug/L		100
67) 1,2-Dichlorobenzene	12.335	146	8193	2.525	ug/L		92
68) 1,2-Dibromo-3-chloropr...	12.945	75	910m	1.960	ug/L		
69) 1,3,5-Trichlorobenzene	13.115	180	5249	2.244	ug/L		99
70) 1,2,4-trichlorobenzene	13.591	180	5023	2.352	ug/L		97
71) Naphthalene	13.780	128	14396	2.258	ug/L		99
72) 1,2,3-Trichlorobenzene	13.963	180	5715	2.566	ug/L		96

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

