

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073024\
 Data File : VX042740.D
 Acq On : 30 Jul 2024 15:32
 Operator : JC/MD
 Sample : P3391-01 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2024-05

Quant Time: Jul 31 06:03:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 03:10:58 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/31/2024
 Supervised By : Semsettin Yesilyurt 07/31/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	141258	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	124629	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	50232	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	39241	45.725	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.460%
7) Chloroethane-d5	1.648	69	17359	49.087	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.180%
11) 1,1-Dichloroethene-d2	2.294	65	20885	49.392	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.780%
21) 2-Butanone-d5	4.471	46	59523	93.581	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.580%
24) Chloroform-d	5.056	84	89485	47.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.280%
26) 1,2-Dichloroethane-d4	5.958	65	60806	50.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.360%
32) Benzene-d6	5.971	84	179348	51.852	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.700%
36) 1,2-Dichloropropane-d6	7.312	67	52288	51.078	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.160%
41) Toluene-d8	8.647	98	159209	51.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.680%
43) trans-1,3-Dichloroprop...	8.952	79	22234	46.412	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.820%
47) 2-Hexanone-d5	9.391	63	43288	94.579	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.580%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	71244	48.336	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.680%
66) 1,2-Dichlorobenzene-d4	12.323	152	50035	52.706	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	2558m	2.050	ug/L	
3) Chloromethane	1.301	50	2081	2.016	ug/L	88
5) Vinyl chloride	1.374	62	2286	2.330	ug/L #	74
6) Bromomethane	1.599	94	627	2.043	ug/L	90
8) Chloroethane	1.673	64	870m	2.422	ug/L	
9) Trichlorofluoromethane	1.874	101	2649	1.908	ug/L	85
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	2597	2.603	ug/L	89
12) 1,1-Dichloroethene	2.313	96	2524	2.764	ug/L #	1
13) Acetone	2.392	43	2358	4.743	ug/L	90
14) Carbon disulfide	2.508	76	3857m	1.730	ug/L	
15) Methyl Acetate	2.715	43	2390m	2.169	ug/L	
16) Methylene chloride	2.788	84	2610	2.475	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	1904	2.032	ug/L	88
18) Methyl tert-butyl Ether	3.123	73	6388	1.967	ug/L	93
19) 1,1-Dichloroethane	3.611	63	3549	1.983	ug/L	95
20) cis-1,2-Dichloroethene	4.477	96	2381m	2.224	ug/L	
22) 2-Butanone	4.587	43	3122m	4.123	ug/L	
23) Bromochloromethane	4.910	128	1158m	2.285	ug/L	
27) 1,2-Dichloroethane	6.092	62	3356	2.215	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.471	56	2854m	1.937	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	3374m	2.119	ug/L	
31) Carbon tetrachloride	5.678	117	2507	1.864	ug/L	88
33) Benzene	6.038	78	7981	2.093	ug/L	100
35) Methylcyclohexane	7.379	83	3170	2.055	ug/L	97
37) 1,2-Dichloropropane	7.446	63	2013m	2.031	ug/L	
38) Bromodichloromethane	7.836	83	2449	1.912	ug/L #	80
39) cis-1,3-Dichloropropene	8.379	75	2980	1.959	ug/L	97
40) 4-Methyl-2-pentanone	8.580	43	4516	3.311	ug/L #	94
42) Toluene	8.720	91	8286	2.109	ug/L	82
44) trans-1,3-Dichloropropene	8.982	75	2405m	1.744	ug/L	
45) 1,1,2-Trichloroethane	9.159	97	2043	2.041	ug/L	87
46) Tetrachloroethene	9.269	164	1493	2.148	ug/L	88
48) 2-Hexanone	9.439	43	4536	4.277	ug/L #	86
49) Dibromochloromethane	9.525	129	1842	1.970	ug/L	94
50) 1,2-Dibromoethane	9.610	107	2159	2.073	ug/L #	73
51) Chlorobenzene	10.080	112	5441	2.142	ug/L #	88
52) Ethylbenzene	10.195	91	8203	1.904	ug/L	95
53) m,p-Xylene	10.305	106	3193m	1.967	ug/L	
54) o-Xylene	10.647	106	3293	2.039	ug/L	77
55) Styrene	10.659	104	4773	1.773	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.214	83	3669	2.292	ug/L #	94
59) Bromoform	10.805	173	1236	2.193	ug/L #	92
60) Isopropylbenzene	10.964	105	7605	2.004	ug/L	95
61) 1,2,3-Trichloropropane	11.244	75	2605	2.242	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	6172	1.955	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	5450	1.749	ug/L	93
64) 1,3-Dichlorobenzene	11.969	146	3471	2.126	ug/L	89
65) 1,4-Dichlorobenzene	12.043	146	3963	2.410	ug/L	87
67) 1,2-Dichlorobenzene	12.335	146	3821	2.325	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	690m	2.229	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2070	2.044	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	1627	1.832	ug/L	96
71) Naphthalene	13.780	128	5782	1.688	ug/L	98
72) 1,2,3-Trichlorobenzene	13.957	180	1783	1.939	ug/L	98

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

