

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073124\
 Data File : VX042760.D
 Acq On : 31 Jul 2024 10:07
 Operator : JC/MD
 Sample : P3391-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2024-06

Quant Time: Aug 01 01:47:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 01:44:51 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/01/2024
 Supervised By : Mahesh Dadoda 08/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	119641	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	108394	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	48349	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	25259	34.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.500%
7) Chloroethane-d5	1.648	69	15017	50.137	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.280%
11) 1,1-Dichloroethene-d2	2.300	65	16195	45.221	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.440%
21) 2-Butanone-d5	4.459	46	43359	80.485	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.490%
24) Chloroform-d	5.056	84	73957	46.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.980%
26) 1,2-Dichloroethane-d4	5.952	65	51522	50.196	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.400%
32) Benzene-d6	5.971	84	144864	48.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.300%
36) 1,2-Dichloropropane-d6	7.306	67	40719	45.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.460%
41) Toluene-d8	8.647	98	134548	49.883	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.760%
43) trans-1,3-Dichloroprop...	8.952	79	18984	45.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.120%
47) 2-Hexanone-d5	9.385	63	33827	84.978	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.980%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	60713	47.361	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.720%
66) 1,2-Dichlorobenzene-d4	12.323	152	49796	54.497	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	3307	3.129	ug/L #	79
3) Chloromethane	1.301	50	1796	2.055	ug/L #	77
5) Vinyl chloride	1.374	62	1828	2.200	ug/L	94
6) Bromomethane	1.599	94	882	3.393	ug/L	97
8) Chloroethane	1.666	64	892	2.932	ug/L #	70
9) Trichlorofluoromethane	1.874	101	3843	3.268	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	2840	3.360	ug/L	92
12) 1,1-Dichloroethene	2.313	96	2410	3.116	ug/L #	1
13) Acetone	2.386	43	2753m	6.538	ug/L	
14) Carbon disulfide	2.502	76	3619	1.916	ug/L	96
15) Methyl Acetate	2.709	43	2003	2.146	ug/L	96
16) Methylene chloride	2.788	84	2689	3.010	ug/L	86
17) trans-1,2-Dichloroethene	3.087	96	2100	2.646	ug/L	86
18) Methyl tert-butyl Ether	3.117	73	6706	2.437	ug/L #	83
19) 1,1-Dichloroethane	3.605	63	3789	2.500	ug/L	91
20) cis-1,2-Dichloroethene	4.477	96	2556m	2.819	ug/L	
22) 2-Butanone	4.593	43	2988m	4.659	ug/L	
23) Bromochloromethane	4.910	128	1310m	3.051	ug/L	
27) 1,2-Dichloroethane	6.099	62	3363	2.620	ug/L #	75

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.465	56	2674	2.087	ug/L #	77
30) 1,1,1-Trichloroethane	5.373	97	3801m	2.745	ug/L	
31) Carbon tetrachloride	5.666	117	3143m	2.688	ug/L	
33) Benzene	6.038	78	8081	2.436	ug/L	100
35) Methylcyclohexane	7.379	83	3317	2.473	ug/L	97
37) 1,2-Dichloropropane	7.434	63	1815	2.105	ug/L	97
38) Bromodichloromethane	7.824	83	2847	2.555	ug/L #	97
39) cis-1,3-Dichloropropene	8.373	75	3031	2.290	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	4637	3.909	ug/L #	91
42) Toluene	8.720	91	8685	2.542	ug/L	93
44) trans-1,3-Dichloropropene	8.982	75	3922	3.270	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	2155	2.475	ug/L	88
46) Tetrachloroethene	9.275	164	1690	2.796	ug/L	94
48) 2-Hexanone	9.439	43	4226	4.581	ug/L	89
49) Dibromochloromethane	9.519	129	2081	2.559	ug/L	90
50) 1,2-Dibromoethane	9.610	107	2634	2.909	ug/L #	92
51) Chlorobenzene	10.080	112	6069	2.747	ug/L	98
52) Ethylbenzene	10.195	91	9340	2.492	ug/L	97
53) m,p-Xylene	10.305	106	3254	2.305	ug/L	94
54) o-Xylene	10.640	106	3700	2.635	ug/L	91
55) Styrene	10.659	104	5820	2.486	ug/L	86
57) 1,1,2,2-Tetrachloroethane	11.213	83	3725	2.675	ug/L	96
59) Bromoform	10.799	173	1358	2.503	ug/L #	92
60) Isopropylbenzene	10.964	105	9058	2.479	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	2735	2.445	ug/L #	84
62) 1,3,5-Trimethylbenzene	11.451	105	7269	2.392	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	6783	2.261	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	4428	2.818	ug/L	90
65) 1,4-Dichlorobenzene	12.037	146	4287	2.709	ug/L #	82
67) 1,2-Dichlorobenzene	12.335	146	4882	3.086	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.939	75	696m	2.336	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2683	2.753	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	2022	2.366	ug/L #	86
71) Naphthalene	13.780	128	6976	2.116	ug/L #	91
72) 1,2,3-Trichlorobenzene	13.963	180	2258	2.551	ug/L	95

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

