

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081424\
 Data File : VX043038.D
 Acq On : 14 Aug 2024 17:53
 Operator : JC/MD
 Sample : P3390-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2024

Quant Time: Aug 15 05:00:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 04:57:27 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/15/2024
 Supervised By : Mahesh Dadoda 08/15/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	125357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81660	49.575	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.140%		
35) Dibromofluoromethane	5.385	113	69216	49.444	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.880%		
50) Toluene-d8	8.647	98	260953	48.290	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.580%		
62) 4-Bromofluorobenzene	11.079	95	86916	44.358	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3088	2.436	ug/l	90
3) Chloromethane	1.300	50	4745	2.529	ug/l	90
4) Vinyl Chloride	1.374	62	4577	2.429	ug/l	94
5) Bromomethane	1.593	94	2199	3.851	ug/l	94
6) Chloroethane	1.666	64	2185	3.679	ug/l #	82
7) Trichlorofluoromethane	1.874	101	5028	2.552	ug/l	97
8) Diethyl Ether	2.142	74	2467	2.707	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.319	101	3602	2.556	ug/l	96
10) Methyl Iodide	2.447	142	3054	2.030	ug/l #	86
11) Tert butyl alcohol	2.989	59	5305m	12.483	ug/l	
12) 1,1-Dichloroethene	2.306	96	4002	2.647	ug/l	89
13) Acrolein	2.239	56	5186	12.070	ug/l	85
14) Allyl chloride	2.660	41	7078	2.498	ug/l	93
15) Acrylonitrile	3.075	53	13247	12.585	ug/l	90
16) Acetone	2.392	43	9523	11.656	ug/l #	82
17) Carbon Disulfide	2.501	76	10516	2.425	ug/l #	92
18) Methyl Acetate	2.709	43	6933	2.568	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	12504	2.454	ug/l	97
20) Methylene Chloride	2.782	84	5299	2.805	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	3906	2.477	ug/l	90
22) Diisopropyl ether	3.770	45	13749	2.376	ug/l #	78
23) Vinyl Acetate	3.727	43	79196	11.739	ug/l	97
24) 1,1-Dichloroethane	3.611	63	7199	2.467	ug/l	98
25) 2-Butanone	4.580	43	16230	11.332	ug/l	96
26) 2,2-Dichloropropane	4.477	77	5338	2.296	ug/l	86
27) cis-1,2-Dichloroethene	4.489	96	4750	2.496	ug/l	89
28) Bromochloromethane	4.910	49	3393	2.570	ug/l #	91
29) Tetrahydrofuran	5.031	42	12271	12.362	ug/l	98
30) Chloroform	5.099	83	6891	2.458	ug/l	91
31) Cyclohexane	5.464	56	6591	2.401	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	5873	2.509	ug/l	98
36) 1,1-Dichloropropene	5.696	75	4760	2.448	ug/l	97
37) Ethyl Acetate	4.745	43	6863	2.505	ug/l #	97
38) Carbon Tetrachloride	5.678	117	5004	2.545	ug/l	91
39) Methylcyclohexane	7.379	83	6359	2.362	ug/l	96
40) Benzene	6.037	78	16092	2.429	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	3719m	2.576	ug/l	
42) 1,2-Dichloroethane	6.092	62	4748	2.464	ug/l	96
43) Isopropyl Acetate	6.361	43	10355	2.343	ug/l	100
44) Trichloroethene	7.135	130	3595	2.396	ug/l	94
45) 1,2-Dichloropropane	7.433	63	3922	2.405	ug/l	100
46) Dibromomethane	7.592	93	2826	2.535	ug/l	97
47) Bromodichloromethane	7.824	83	5103	2.357	ug/l #	96
48) Methyl methacrylate	7.708	41	4551	2.309	ug/l	94
49) 1,4-Dioxane	7.677	88	2095m	48.539	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	33401	11.890	ug/l	99
52) Toluene	8.720	92	9770	2.441	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	5114	2.163	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	6185	2.379	ug/l #	80
55) 1,1,2-Trichloroethane	9.153	97	3886	2.472	ug/l	93
56) Ethyl methacrylate	9.122	69	6384	2.243	ug/l #	92
57) 1,3-Dichloropropane	9.311	76	6215	2.333	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	15650	11.716	ug/l	99
59) 2-Hexanone	9.433	43	26009	12.049	ug/l	98
60) Dibromochloromethane	9.518	129	3977	2.399	ug/l	98
61) 1,2-Dibromoethane	9.610	107	3818	2.408	ug/l	97
64) Tetrachloroethene	9.275	164	3052	2.514	ug/l	84
65) Chlorobenzene	10.079	112	10016	2.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	3268	2.390	ug/l	91
67) Ethyl Benzene	10.195	91	17436	2.472	ug/l	100
68) m/p-Xylenes	10.305	106	13242	4.883	ug/l	93
69) o-Xylene	10.646	106	6647	2.440	ug/l	94
70) Styrene	10.659	104	10903	2.387	ug/l	92
71) Bromoform	10.805	173	2782	2.450	ug/l #	99
73) Isopropylbenzene	10.963	105	15916	2.596	ug/l	94
74) N-amyl acetate	10.848	43	8253	2.363	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	5961	2.526	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	5041m	2.737	ug/l	
77) Bromobenzene	11.201	156	3894	2.644	ug/l	94
78) n-propylbenzene	11.305	91	17551	2.512	ug/l	99
79) 2-Chlorotoluene	11.366	91	11330	2.605	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	12704	2.515	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.024	75	1830	2.167	ug/l	88
82) 4-Chlorotoluene	11.457	91	12012	2.479	ug/l	99
83) tert-Butylbenzene	11.713	119	13932	2.665	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	12866	2.525	ug/l	94
85) sec-Butylbenzene	11.890	105	16033	2.527	ug/l	100
86) p-Isopropyltoluene	12.012	119	12690	2.448	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	6885	2.600	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	6940	2.561	ug/l	90
89) n-Butylbenzene	12.335	91	9826	2.189	ug/l	98
90) Hexachloroethane	12.536	117	2574	2.472	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	6476	2.425	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1225	2.653	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	3445	2.292	ug/l	97
94) Hexachlorobutadiene	13.725	225	1416	2.525	ug/l	96
95) Naphthalene	13.780	128	14549	2.451	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	3579	2.328	ug/l	93

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

