

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081424\
 Data File : VX043040.D
 Acq On : 14 Aug 2024 18:40
 Operator : JC/MD
 Sample : P3390-08 5.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2024

Quant Time: Aug 15 05:02:10 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	113048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203005	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80103	53.925	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.840%			
35) Dibromofluoromethane	5.391	113	67283	53.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.160%			
50) Toluene-d8	8.647	98	256245	52.857	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.720%			
62) 4-Bromofluorobenzene	11.079	95	86587	49.257	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5666	4.957	ug/l	96
3) Chloromethane	1.300	50	8672	5.126	ug/l	100
4) Vinyl Chloride	1.374	62	8780	5.167	ug/l	99
5) Bromomethane	1.599	94	3471	6.741	ug/l	93
6) Chloroethane	1.666	64	3912	7.304	ug/l	94
7) Trichlorofluoromethane	1.867	101	10852	6.108	ug/l	96
8) Diethyl Ether	2.136	74	4642	5.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	6408	5.043	ug/l	100
10) Methyl Iodide	2.447	142	6064	4.470	ug/l	89
11) Tert butyl alcohol	3.001	59	10326	26.942	ug/l #	86
12) 1,1-Dichloroethene	2.306	96	7051	5.171	ug/l	85
13) Acrolein	2.239	56	10265	26.493	ug/l	97
14) Allyl chloride	2.660	41	13392	5.240	ug/l	88
15) Acrylonitrile	3.074	53	24518	25.828	ug/l	98
16) Acetone	2.392	43	19163	26.010	ug/l #	88
17) Carbon Disulfide	2.501	76	18910	4.836	ug/l	98
18) Methyl Acetate	2.709	43	13738	5.643	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	23321	5.075	ug/l	97
20) Methylene Chloride	2.788	84	8988	5.275	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	7019	4.936	ug/l	84
22) Diisopropyl ether	3.763	45	26246	5.029	ug/l #	72
23) Vinyl Acetate	3.727	43	149802	24.622	ug/l	97
24) 1,1-Dichloroethane	3.611	63	13467	5.117	ug/l	96
25) 2-Butanone	4.580	43	34152	26.443	ug/l	95
26) 2,2-Dichloropropane	4.464	77	9657	4.606	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	8535	4.972	ug/l	92
28) Bromochloromethane	4.903	49	6794	5.706	ug/l #	98
29) Tetrahydrofuran	5.019	42	23138	25.847	ug/l	99
30) Chloroform	5.092	83	13073	5.170	ug/l	93
31) Cyclohexane	5.464	56	11794	4.764	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	11413	5.407	ug/l	96
36) 1,1-Dichloropropene	5.690	75	9123	5.229	ug/l	98
37) Ethyl Acetate	4.739	43	13323	5.421	ug/l	99
38) Carbon Tetrachloride	5.672	117	9082	5.148	ug/l	86
39) Methylcyclohexane	7.379	83	12037	4.983	ug/l	97
40) Benzene	6.037	78	29469	4.958	ug/l	98

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Reviewed By :John Carlone 08/15/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	6698	5.171	ug/l	91
42) 1,2-Dichloroethane	6.092	62	9298	5.378	ug/l	92
43) Isopropyl Acetate	6.354	43	19954	5.032	ug/l	98
44) Trichloroethene	7.129	130	6972	5.180	ug/l	94
45) 1,2-Dichloropropane	7.433	63	7783	5.321	ug/l	98
46) Dibromomethane	7.586	93	5242	5.241	ug/l	97
47) Bromodichloromethane	7.830	83	9632	4.960	ug/l #	98
48) Methyl methacrylate	7.702	41	8975	5.076	ug/l #	86
49) 1,4-Dioxane	7.671	88	4042	104.389	ug/l #	91
51) 4-Methyl-2-Pentanone	8.573	43	64683	25.667	ug/l	98
52) Toluene	8.720	92	17856	4.973	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	9984	4.708	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	11415	4.894	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	7412	5.256	ug/l	87
56) Ethyl methacrylate	9.122	69	12640	4.950	ug/l	93
57) 1,3-Dichloropropane	9.311	76	12229	5.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	30926	25.806	ug/l	99
59) 2-Hexanone	9.433	43	49494	25.557	ug/l	97
60) Dibromochloromethane	9.525	129	7831	5.266	ug/l	96
61) 1,2-Dibromoethane	9.610	107	7689	5.406	ug/l	93
64) Tetrachloroethene	9.275	164	6092	5.416	ug/l	95
65) Chlorobenzene	10.079	112	19552	5.200	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	6584	5.197	ug/l	94
67) Ethyl Benzene	10.195	91	32746	5.012	ug/l	96
68) m/p-Xylenes	10.305	106	25584	10.182	ug/l	92
69) o-Xylene	10.640	106	12906	5.113	ug/l	96
70) Styrene	10.659	104	20679	4.886	ug/l	97
71) Bromoform	10.799	173	5323	5.059	ug/l #	95
73) Isopropylbenzene	10.963	105	31684	5.441	ug/l	98
74) N-amyl acetate	10.847	43	16239	4.896	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	12000	5.354	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	10156m	5.805	ug/l	
77) Bromobenzene	11.201	156	7394	5.286	ug/l	96
78) n-propylbenzene	11.305	91	33623	5.067	ug/l	97
79) 2-Chlorotoluene	11.366	91	21849	5.290	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	26174	5.456	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	3676	4.583	ug/l #	83
82) 4-Chlorotoluene	11.457	91	23826	5.177	ug/l	95
83) tert-Butylbenzene	11.713	119	27167	5.472	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	25425	5.254	ug/l	93
85) sec-Butylbenzene	11.890	105	31764	5.271	ug/l	98
86) p-Isopropyltoluene	12.012	119	25040	5.086	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	13284	5.281	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	13435	5.220	ug/l	96
89) n-Butylbenzene	12.335	91	19686	4.619	ug/l	99
90) Hexachloroethane	12.536	117	5075	5.132	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	13413	5.289	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2370	5.405	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	6731	4.715	ug/l	98
94) Hexachlorobutadiene	13.725	225	2732	5.129	ug/l	96
95) Naphthalene	13.774	128	28470	5.050	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	7508	5.142	ug/l	98

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

