

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040045.D
 Acq On : 31 Jan 2024 13:58
 Operator : JC/MD
 Sample : P1187-08 5.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2024

Quant Time: Feb 01 05:12:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:07:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/01/2024
 Supervised By : Mahesh Dadoda 02/01/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	89828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	167629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	148302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67751	46.865	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.720%		
35) Dibromofluoromethane	5.385	113	50402	44.169	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.340%		
50) Toluene-d8	8.647	98	186967	43.813	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.620%#		
62) 4-Bromofluorobenzene	11.079	95	70318	42.794	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5545	5.481	ug/l	95
3) Chloromethane	1.294	50	5476	5.707	ug/l #	87
4) Vinyl Chloride	1.374	62	4091	4.610	ug/l	100
5) Bromomethane	1.593	94	4151	4.812	ug/l	98
6) Chloroethane	1.678	64	2893	4.938	ug/l	90
7) Trichlorofluoromethane	1.886	101	6299	4.461	ug/l	92
8) Diethyl Ether	2.130	74	2322	4.652	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	5584	5.301	ug/l	96
10) Methyl Iodide	2.453	142	5793	5.166	ug/l	93
11) Tert butyl alcohol	2.959	59	7581	28.900	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	5321	5.267	ug/l	95
13) Acrolein	2.239	56	5752	22.887	ug/l	94
14) Allyl chloride	2.660	41	9516	5.225	ug/l	95
15) Acrylonitrile	3.062	53	18069	27.498	ug/l	97
16) Acetone	2.380	43	18719	27.635	ug/l	96
17) Carbon Disulfide	2.514	76	14631	4.953	ug/l	99
18) Methyl Acetate	2.703	43	9168	5.713	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	18254	5.274	ug/l	99
20) Methylene Chloride	2.782	84	6668	5.539	ug/l #	88
21) trans-1,2-Dichloroethene	3.087	96	5935	5.334	ug/l	90
22) Diisopropyl ether	3.763	45	18694	5.299	ug/l	96
23) Vinyl Acetate	3.721	43	79511	25.185	ug/l	100
24) 1,1-Dichloroethane	3.611	63	11038	5.463	ug/l	96
25) 2-Butanone	4.556	43	24012	25.501	ug/l	93
26) 2,2-Dichloropropane	4.471	77	6751	4.282	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	6096	4.910	ug/l	96
28) Bromochloromethane	4.891	49	4770	5.063	ug/l	92
29) Tetrahydrofuran	5.007	42	15232	25.442	ug/l	99
30) Chloroform	5.099	83	11123	5.127	ug/l	98
31) Cyclohexane	5.464	56	8386	4.631	ug/l	85
32) 1,1,1-Trichloroethane	5.379	97	8530	4.581	ug/l	99
36) 1,1-Dichloropropene	5.696	75	7983	4.837	ug/l	99
37) Ethyl Acetate	4.714	43	8806	4.886	ug/l	97
38) Carbon Tetrachloride	5.678	117	7027	4.450	ug/l	92
39) Methylcyclohexane	7.379	83	9006	4.485	ug/l #	86
40) Benzene	6.037	78	23067	4.799	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	4195	4.590	ug/l #	80
42) 1,2-Dichloroethane	6.092	62	9006	4.867	ug/l	95
43) Isopropyl Acetate	6.342	43	13225	4.653	ug/l	98
44) Trichloroethene	7.129	130	6103	4.825	ug/l	92
45) 1,2-Dichloropropane	7.433	63	5815	4.582	ug/l	97
46) Dibromomethane	7.580	93	4541	4.767	ug/l	95
47) Bromodichloromethane	7.824	83	7770	4.580	ug/l	100
48) Methyl methacrylate	7.696	41	6899	4.927	ug/l	96
49) 1,4-Dioxane	7.671	88	3073	101.002	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	46499	23.966	ug/l	96
52) Toluene	8.720	92	14392	4.804	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	6799	3.864	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	7868	4.190	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	5656	4.561	ug/l #	87
56) Ethyl methacrylate	9.116	69	8020	4.429	ug/l	97
57) 1,3-Dichloropropane	9.311	76	9951	4.872	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.244	63	21792	23.931	ug/l	97
59) 2-Hexanone	9.427	43	35643	23.041	ug/l	100
60) Dibromochloromethane	9.518	129	5367	4.307	ug/l	98
61) 1,2-Dibromoethane	9.610	107	6208	4.630	ug/l	99
64) Tetrachloroethene	9.275	164	4877	5.054	ug/l	95
65) Chlorobenzene	10.079	112	15665	5.110	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.165	131	4954	4.786	ug/l	94
67) Ethyl Benzene	10.195	91	26749	4.864	ug/l	96
68) m/p-Xylenes	10.299	106	19741	9.541	ug/l	96
69) o-Xylene	10.640	106	9626	4.905	ug/l	96
70) Styrene	10.659	104	15510	4.689	ug/l	98
71) Bromoform	10.799	173	3414	4.309	ug/l #	95
73) Isopropylbenzene	10.963	105	25850	4.893	ug/l	99
74) N-amyl acetate	10.841	43	9995	4.156	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	9558	4.813	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	7454m	4.758	ug/l	
77) Bromobenzene	11.195	156	6273	5.148	ug/l	99
78) n-propylbenzene	11.305	91	30329	4.666	ug/l	100
79) 2-Chlorotoluene	11.366	91	18647	4.765	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	21507	4.736	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	1594	3.170	ug/l #	69
82) 4-Chlorotoluene	11.457	91	21240	4.729	ug/l	99
83) tert-Butylbenzene	11.713	119	19831	4.564	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	21634	4.774	ug/l	99
85) sec-Butylbenzene	11.890	105	25561	4.440	ug/l	99
86) p-Isopropyltoluene	12.012	119	20997	4.466	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	11344	4.615	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	12952	5.147	ug/l	95
89) n-Butylbenzene	12.335	91	20340	4.458	ug/l	97
90) Hexachloroethane	12.536	117	3251	4.376	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	12200	5.147	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	1955	4.343	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	6591	4.448	ug/l	96
94) Hexachlorobutadiene	13.725	225	2713	4.648	ug/l	97
95) Naphthalene	13.774	128	21524	4.277	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	6743	4.603	ug/l	97

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

