

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040044.D
 Acq On : 31 Jan 2024 13:35
 Operator : JC/MD
 Sample : P1187-08 1.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 01 05:11:20 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	5.556	168	93412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	165017	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75422	50.169	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.340%			
35) Dibromofluoromethane	5.385	113	54441	48.464	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.920%			
50) Toluene-d8	8.646	98	191365	45.553	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.100%#			
62) 4-Bromofluorobenzene	11.079	95	76199	47.107	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	923	0.877	ug/l	97
3) Chloromethane	1.300	50	894	0.896	ug/l #	74
4) Vinyl Chloride	1.373	62	1058	1.146	ug/l #	85
5) Bromomethane	1.611	94	697	0.777	ug/l	85
6) Chloroethane	1.690	64	480	0.788	ug/l #	73
7) Trichlorofluoromethane	1.885	101	1235	0.841	ug/l	91
8) Diethyl Ether	2.129	74	411	0.792	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.331	101	1036	0.946	ug/l	93
10) Methyl Iodide	2.452	142	1076	0.923	ug/l #	93
11) Tert butyl alcohol	2.946	59	1425	5.224	ug/l #	78
12) 1,1-Dichloroethene	2.318	96	909	0.865	ug/l #	71
13) Acrolein	2.239	56	1435	5.491	ug/l	98
14) Allyl chloride	2.666	41	1709	0.902	ug/l	92
15) Acrylonitrile	3.068	53	3276	4.794	ug/l	99
16) Acetone	2.379	43	3667	5.206	ug/l #	77
17) Carbon Disulfide	2.513	76	2839	0.924	ug/l	98
18) Methyl Acetate	2.708	43	1694	1.015	ug/l	92
19) Methyl tert-butyl Ether	3.105	73	3320	0.922	ug/l #	87
20) Methylene Chloride	2.788	84	1339	1.070	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	1121	0.969	ug/l #	76
22) Diisopropyl ether	3.763	45	3195	0.871	ug/l #	86
23) Vinyl Acetate	3.727	43	13336	4.062	ug/l	95
24) 1,1-Dichloroethane	3.611	63	1964	0.935	ug/l #	84
25) 2-Butanone	4.574	43	4567	4.664	ug/l #	88
26) 2,2-Dichloropropane	4.495	77	1511	0.922	ug/l #	76
27) cis-1,2-Dichloroethene	4.501	96	1112	0.861	ug/l	89
28) Bromochloromethane	4.885	49	886m	0.904	ug/l	
29) Tetrahydrofuran	5.013	42	3007	4.830	ug/l #	64
30) Chloroform	5.092	83	2014	0.893	ug/l	98
31) Cyclohexane	5.482	56	1631m	0.866	ug/l	
32) 1,1,1-Trichloroethane	5.391	97	1705m	0.881	ug/l	
36) 1,1-Dichloropropene	5.696	75	1708	1.051	ug/l	89
37) Ethyl Acetate	4.745	43	2024	1.141	ug/l #	69
38) Carbon Tetrachloride	5.690	117	1417	0.912	ug/l #	56
39) Methylcyclohexane	7.378	83	1693	0.857	ug/l	95
40) Benzene	6.037	78	4717	0.997	ug/l #	75

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41) Methacrylonitrile	4.928	41	815m	0.906	ug/l	
42) 1,2-Dichloroethane	6.098	62	1841	1.011	ug/l #	77
43) Isopropyl Acetate	6.348	43	2526	0.903	ug/l #	89
44) Trichloroethene	7.128	130	1059	0.850	ug/l	90
45) 1,2-Dichloropropane	7.433	63	1283	1.027	ug/l	91
46) Dibromomethane	7.592	93	745	0.794	ug/l	94
47) Bromodichloromethane	7.823	83	1472	0.881	ug/l #	93
48) Methyl methacrylate	7.702	41	1337	0.970	ug/l	94
49) 1,4-Dioxane	7.677	88	450	15.025	ug/l #	89
51) 4-Methyl-2-Pentanone	8.573	43	7695	4.029	ug/l	97
52) Toluene	8.714	92	2543	0.862	ug/l	89
53) t-1,3-Dichloropropene	8.982	75	1212	0.700	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	1424	0.770	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	1159	0.949	ug/l #	77
56) Ethyl methacrylate	9.134	69	1216	0.682	ug/l	95
57) 1,3-Dichloropropane	9.311	76	1811	0.901	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.250	63	3362	3.750	ug/l	97
59) 2-Hexanone	9.433	43	5974	3.923	ug/l	99
60) Dibromochloromethane	9.518	129	1022	0.833	ug/l	88
61) 1,2-Dibromoethane	9.616	107	1123	0.851	ug/l	96
64) Tetrachloroethene	9.274	164	858	0.864	ug/l #	81
65) Chlorobenzene	10.079	112	3010	0.954	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.164	131	934	0.877	ug/l #	63
67) Ethyl Benzene	10.195	91	5409	0.956	ug/l	92
68) m/p-Xylenes	10.305	106	3708	1.742	ug/l	99
69) o-Xylene	10.640	106	1934	0.958	ug/l	96
70) Styrene	10.664	104	2847	0.836	ug/l	97
71) Bromoform	10.805	173	623	0.764	ug/l #	99
73) Isopropylbenzene	10.963	105	4842	0.930	ug/l	96
74) N-amyl acetate	10.841	43	1690	0.713	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	1969	1.006	ug/l	84
76) 1,2,3-Trichloropropane	11.244	75	1739m	1.126	ug/l	
77) Bromobenzene	11.201	156	1182	0.984	ug/l	93
78) n-propylbenzene	11.305	91	6161	0.962	ug/l	98
79) 2-Chlorotoluene	11.365	91	3833	0.994	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	4070	0.910	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.018	75	192m	0.387	ug/l	
82) 4-Chlorotoluene	11.457	91	4283	0.968	ug/l	93
83) tert-Butylbenzene	11.713	119	3704	0.865	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	3575	0.801	ug/l	93
85) sec-Butylbenzene	11.890	105	4965	0.875	ug/l	98
86) p-Isopropyltoluene	12.012	119	3811	0.823	ug/l	83
87) 1,3-Dichlorobenzene	11.969	146	2222	0.917	ug/l	95
88) 1,4-Dichlorobenzene	12.036	146	2507m	1.011	ug/l	
89) n-Butylbenzene	12.335	91	3341	0.743	ug/l	94
90) Hexachloroethane	12.542	117	564	0.770	ug/l	70
91) 1,2-Dichlorobenzene	12.341	146	2121	0.908	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.938	75	321	0.724	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	1344	0.920	ug/l	97
94) Hexachlorobutadiene	13.731	225	544	0.946	ug/l	91
95) Naphthalene	13.774	128	3790	0.764	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1202	0.833	ug/l	93

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

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