

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092623\
 Data File : VX037909.D
 Acq On : 26 Sep 2023 16:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/27/2023
 Supervised By : Mahesh Dadoda 09/27/2023

Quant Time: Sep 27 01:16:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	232815	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.756	114	378746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	215994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	145329	47.511	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.020%		
35) Dibromofluoromethane	5.379	113	125629	49.573	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.140%		
50) Toluene-d8	8.646	98	470934	50.013	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.020%		
62) 4-Bromofluorobenzene	11.079	95	185901	54.331	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.660%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	102300	41.688	ug/l	98
3) Chloromethane	1.294	50	108126	40.497	ug/l	100
4) Vinyl Chloride	1.373	62	123673	42.935	ug/l	99
5) Bromomethane	1.599	94	97313	47.191	ug/l	99
6) Chloroethane	1.684	64	85502	43.088	ug/l	98
7) Trichlorofluoromethane	1.885	101	218966	47.284	ug/l	99
8) Diethyl Ether	2.129	74	81644	45.506	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.324	101	111688	47.523	ug/l	97
10) Methyl Iodide	2.452	142	135713	43.636	ug/l	92
11) Tert butyl alcohol	2.952	59	135599	206.526	ug/l	# 92
12) 1,1-Dichloroethene	2.318	96	102873	45.292	ug/l	86
13) Acrolein	2.233	56	148870	229.514	ug/l	99
14) Allyl chloride	2.660	41	169047	44.687	ug/l	# 96
15) Acrylonitrile	3.062	53	326541	223.689	ug/l	99
16) Acetone	2.373	43	312346	212.266	ug/l	91
17) Carbon Disulfide	2.513	76	226291	39.737	ug/l	99
18) Methyl Acetate	2.696	43	242774	45.735	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	392746	47.006	ug/l	99
20) Methylene Chloride	2.788	84	127768	46.964	ug/l	90
21) trans-1,2-Dichloroethene	3.086	96	117493	46.585	ug/l	91
22) Diisopropyl ether	3.757	45	373807	47.439	ug/l	88
23) Vinyl Acetate	3.714	43	1376282	237.455	ug/l	96
24) 1,1-Dichloroethane	3.605	63	219080	46.397	ug/l	99
25) 2-Butanone	4.550	43	448483	215.980	ug/l	91
26) 2,2-Dichloropropane	4.470	77	185322	48.572	ug/l	95
27) cis-1,2-Dichloroethene	4.482	96	144977	46.888	ug/l	91
28) Bromochloromethane	4.891	49	99955	45.376	ug/l	# 82
29) Tetrahydrofuran	4.995	42	278932	215.954	ug/l	90
30) Chloroform	5.086	83	243845	47.938	ug/l	98
31) Cyclohexane	5.464	56	177610	45.239	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	210652	48.910	ug/l	98
36) 1,1-Dichloropropene	5.690	75	166914	47.813	ug/l	96
37) Ethyl Acetate	4.708	43	174573	45.487	ug/l	97
38) Carbon Tetrachloride	5.671	117	180345	49.374	ug/l	98
39) Methylcyclohexane	7.378	83	207759	46.891	ug/l	92
40) Benzene	6.031	78	504691	47.012	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	92698	47.370	ug/l #	89
42) 1,2-Dichloroethane	6.080	62	185916	47.916	ug/l	97
43) Isopropyl Acetate	6.336	43	288076	46.943	ug/l	96
44) Trichloroethene	7.122	130	138913	46.465	ug/l	97
45) 1,2-Dichloropropane	7.427	63	135212	48.500	ug/l	100
46) Dibromomethane	7.580	93	99201	49.466	ug/l	93
47) Bromodichloromethane	7.817	83	189653	51.348	ug/l	97
48) Methyl methacrylate	7.689	41	137479	46.863	ug/l #	87
49) 1,4-Dioxane	7.653	88	63159	821.215	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	902689	231.844	ug/l	94
52) Toluene	8.713	92	333281	48.171	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	204928	53.063	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	218926	51.221	ug/l #	88
55) 1,1,2-Trichloroethane	9.152	97	146178	50.112	ug/l	97
56) Ethyl methacrylate	9.116	69	213709	49.075	ug/l	91
57) 1,3-Dichloropropane	9.305	76	228675	48.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	459804	226.121	ug/l	99
59) 2-Hexanone	9.427	43	700301	231.008	ug/l	92
60) Dibromochloromethane	9.518	129	153663	52.880	ug/l	100
61) 1,2-Dibromoethane	9.610	107	153729	49.776	ug/l	99
64) Tetrachloroethene	9.274	164	117543	46.802	ug/l	94
65) Chlorobenzene	10.079	112	376843	47.440	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	142353	50.569	ug/l	99
67) Ethyl Benzene	10.195	91	672525	48.832	ug/l	98
68) m/p-Xylenes	10.299	106	523523	98.375	ug/l	97
69) o-Xylene	10.640	106	258991	48.532	ug/l	96
70) Styrene	10.652	104	439692	51.323	ug/l	95
71) Bromoform	10.798	173	117684	52.920	ug/l #	100
73) Isopropylbenzene	10.963	105	687942	43.413	ug/l	98
74) N-amyl acetate	10.841	43	271893	42.367	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	242004	43.424	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	212937m	42.624	ug/l	
77) Bromobenzene	11.195	156	172802	44.058	ug/l	88
78) n-propylbenzene	11.304	91	828480	46.294	ug/l	99
79) 2-Chlorotoluene	11.365	91	482536	43.730	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	600853	44.899	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	70559	45.244	ug/l	89
82) 4-Chlorotoluene	11.451	91	568931	45.797	ug/l	96
83) tert-Butylbenzene	11.713	119	602503	44.547	ug/l	95
84) 1,2,4-Trimethylbenzene	11.749	105	603108	45.296	ug/l	97
85) sec-Butylbenzene	11.890	105	772165	47.059	ug/l	99
86) p-Isopropyltoluene	12.006	119	655408	47.942	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	344164	47.073	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	352192	47.075	ug/l	98
89) n-Butylbenzene	12.329	91	623482	52.061	ug/l	97
90) Hexachloroethane	12.536	117	110029	47.502	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	342181	45.840	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	48977	44.087	ug/l	75
93) 1,2,4-Trichlorobenzene	13.585	180	234089	53.237	ug/l	97
94) Hexachlorobutadiene	13.725	225	104290	50.789	ug/l	98
95) Naphthalene	13.774	128	710248	47.761	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	223419	49.374	ug/l	97

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

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