

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037656.D
 Acq On : 12 Sep 2023 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

Quant Time: Sep 12 10:26:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 09:13:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	205524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	349175	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	334489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	159215	47.881	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.760%		
35) Dibromofluoromethane	5.385	113	129332	52.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.520%		
50) Toluene-d8	8.647	98	498407	53.395	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.800%		
62) 4-Bromofluorobenzene	11.079	95	193428	57.439	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	117139	53.307	ug/l	99
3) Chloromethane	1.301	50	120870	46.898	ug/l	98
4) Vinyl Chloride	1.374	62	135292	47.699	ug/l	100
5) Bromomethane	1.599	94	108304	44.838	ug/l	99
6) Chloroethane	1.678	64	83874	43.490	ug/l	96
7) Trichlorofluoromethane	1.880	101	238614	49.603	ug/l	100
8) Diethyl Ether	2.136	74	86068	44.274	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	111374	52.344	ug/l	100
10) Methyl Iodide	2.447	142	134186	53.053	ug/l	94
11) Tert butyl alcohol	2.965	59	161265	233.572	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	103295	49.417	ug/l	89
13) Acrolein	2.233	56	134436	247.445	ug/l	99
14) Allyl chloride	2.660	41	184877	49.704	ug/l	96
15) Acrylonitrile	3.062	53	353977	226.353	ug/l	99
16) Acetone	2.380	43	382730	278.429	ug/l	92
17) Carbon Disulfide	2.508	76	266484	49.456	ug/l	98
18) Methyl Acetate	2.703	43	257364	44.672	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	403314	47.797	ug/l	99
20) Methylene Chloride	2.788	84	129526	49.804	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	119888	48.367	ug/l	92
22) Diisopropyl ether	3.757	45	392629	48.363	ug/l	92
23) Vinyl Acetate	3.721	43	1490374	250.215	ug/l	96
24) 1,1-Dichloroethane	3.605	63	231299	48.699	ug/l	99
25) 2-Butanone	4.550	43	522500	236.734	ug/l	95
26) 2,2-Dichloropropane	4.471	77	197956	60.193	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	145784	49.184	ug/l	94
28) Bromochloromethane	4.897	49	110044	45.692	ug/l	91
29) Tetrahydrofuran	5.001	42	319407	224.370	ug/l	92
30) Chloroform	5.093	83	248103	48.180	ug/l	98
31) Cyclohexane	5.470	56	202664	52.928	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	218195	50.446	ug/l	99
36) 1,1-Dichloropropene	5.690	75	179230	52.513	ug/l	98
37) Ethyl Acetate	4.708	43	194506	49.415	ug/l	99
38) Carbon Tetrachloride	5.672	117	188297	55.239	ug/l	98
39) Methylcyclohexane	7.379	83	232836	58.000	ug/l	92
40) Benzene	6.037	78	527384	50.817	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	102894	49.203	ug/l	91
42) 1,2-Dichloroethane	6.086	62	197798	49.185	ug/l	98
43) Isopropyl Acetate	6.336	43	319403	51.332	ug/l	98
44) Trichloroethene	7.123	130	133968	52.891	ug/l	99
45) 1,2-Dichloropropane	7.427	63	139926	51.384	ug/l	98
46) Dibromomethane	7.580	93	100290	50.480	ug/l	97
47) Bromodichloromethane	7.818	83	193800	54.425	ug/l	99
48) Methyl methacrylate	7.690	41	154517	50.846	ug/l	89
49) 1,4-Dioxane	7.659	88	74799	988.196	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	1021539	248.999	ug/l	96
52) Toluene	8.720	92	351328	53.501	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	212633	59.080	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	227084	57.854	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	146319	51.818	ug/l	96
56) Ethyl methacrylate	9.116	69	228206	53.778	ug/l	93
57) 1,3-Dichloropropane	9.305	76	236833	50.384	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	552478	269.749	ug/l	99
59) 2-Hexanone	9.427	43	819209	260.330	ug/l	94
60) Dibromochloromethane	9.519	129	154683	56.438	ug/l	99
61) 1,2-Dibromoethane	9.610	107	157756	52.982	ug/l	99
64) Tetrachloroethene	9.275	164	116643	54.438	ug/l	97
65) Chlorobenzene	10.079	112	377650	52.372	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	139812	55.557	ug/l	98
67) Ethyl Benzene	10.195	91	693003	54.043	ug/l	99
68) m/p-Xylenes	10.299	106	541507	110.826	ug/l	98
69) o-Xylene	10.640	106	266222	54.948	ug/l	99
70) Styrene	10.652	104	447084	55.932	ug/l	96
71) Bromoform	10.799	173	114106	59.315	ug/l #	99
73) Isopropylbenzene	10.963	105	709991	52.488	ug/l	98
74) N-amyl acetate	10.841	43	301803	50.542	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	241687	47.125	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	195778m	48.184	ug/l	
77) Bromobenzene	11.195	156	167598	51.626	ug/l	93
78) n-propylbenzene	11.305	91	850106	54.452	ug/l	100
79) 2-Chlorotoluene	11.366	91	495957	51.656	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	611392	53.505	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	75747	58.267	ug/l	89
82) 4-Chlorotoluene	11.451	91	577294	52.829	ug/l	98
83) tert-Butylbenzene	11.713	119	608565	53.413	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	618001	53.849	ug/l	98
85) sec-Butylbenzene	11.890	105	781658	55.351	ug/l	100
86) p-Isopropyltoluene	12.006	119	657303	56.523	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	327829	53.150	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	322597	51.374	ug/l	98
89) n-Butylbenzene	12.329	91	609301	58.530	ug/l	97
90) Hexachloroethane	12.536	117	114099	58.034	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	320008	51.020	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	52332	48.584	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	201617	55.342	ug/l	96
94) Hexachlorobutadiene	13.725	225	88425	56.003	ug/l	99
95) Naphthalene	13.774	128	677902	51.405	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	199199	53.024	ug/l	98

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

