

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037718.D
 Acq On : 14 Sep 2023 08:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

Quant Time: Sep 14 08:52:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	192698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	338177	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	150979	48.426	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.860%		
35) Dibromofluoromethane	5.385	113	124077	51.763	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.520%		
50) Toluene-d8	8.647	98	441638	48.852	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.700%		
62) 4-Bromofluorobenzene	11.079	95	166490	51.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	91992	43.543	ug/l	98
3) Chloromethane	1.300	50	112639	46.800	ug/l	100
4) Vinyl Chloride	1.374	62	116474	43.019	ug/l	98
5) Bromomethane	1.599	94	91392	40.355	ug/l	95
6) Chloroethane	1.678	64	85589	45.977	ug/l	99
7) Trichlorofluoromethane	1.886	101	189787	42.368	ug/l	100
8) Diethyl Ether	2.136	74	82885	46.622	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	93409	46.518	ug/l	98
10) Methyl Iodide	2.453	142	139494	58.823	ug/l	93
11) Tert butyl alcohol	2.965	59	171633	266.669	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	94369	47.600	ug/l	87
13) Acrolein	2.233	56	121072	237.680	ug/l	99
14) Allyl chloride	2.660	41	159848	46.025	ug/l	96
15) Acrylonitrile	3.062	53	358964	251.059	ug/l	99
16) Acetone	2.379	43	303632	240.893	ug/l #	89
17) Carbon Disulfide	2.514	76	211416	41.949	ug/l	98
18) Methyl Acetate	2.703	43	267943	50.338	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	406427	51.928	ug/l	99
20) Methylene Chloride	2.788	84	128748	52.902	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	109346	47.939	ug/l	92
22) Diisopropyl ether	3.757	45	383488	50.684	ug/l	94
23) Vinyl Acetate	3.721	43	1396923	253.120	ug/l	95
24) 1,1-Dichloroethane	3.611	63	214665	48.687	ug/l	99
25) 2-Butanone	4.556	43	484670	235.825	ug/l	91
26) 2,2-Dichloropropane	4.477	77	84883	27.676	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	140989	50.689	ug/l	85
28) Bromochloromethane	4.897	49	111291	49.961	ug/l	85
29) Tetrahydrofuran	5.001	42	313686	239.679	ug/l	89
30) Chloroform	5.092	83	236256	49.616	ug/l	99
31) Cyclohexane	5.470	56	157161	43.776	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	194055	48.966	ug/l	97
36) 1,1-Dichloropropene	5.696	75	146205	44.837	ug/l	97
37) Ethyl Acetate	4.714	43	188774	50.594	ug/l	97
38) Carbon Tetrachloride	5.678	117	160442	48.162	ug/l	96
39) Methylcyclohexane	7.379	83	172918	44.814	ug/l	95
40) Benzene	6.037	78	484386	49.000	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	99573	50.666	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	188399	48.761	ug/l	97
43) Isopropyl Acetate	6.342	43	307399	51.642	ug/l	96
44) Trichloroethene	7.123	130	122017	49.402	ug/l	100
45) 1,2-Dichloropropane	7.427	63	131846	50.538	ug/l	98
46) Dibromomethane	7.580	93	98528	51.913	ug/l	94
47) Bromodichloromethane	7.824	83	182693	53.321	ug/l	98
48) Methyl methacrylate	7.689	41	148529	51.619	ug/l #	88
49) 1,4-Dioxane	7.659	88	79204	1111.010	ug/l #	89
51) 4-Methyl-2-Pentanone	8.573	43	1003233	256.671	ug/l	95
52) Toluene	8.720	92	308285	48.503	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	176627	50.847	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	191380	50.209	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	142885	53.386	ug/l	95
56) Ethyl methacrylate	9.116	69	221489	54.088	ug/l	91
57) 1,3-Dichloropropane	9.311	76	230384	51.318	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	534865	269.378	ug/l	100
59) 2-Hexanone	9.433	43	779455	258.349	ug/l	95
60) Dibromochloromethane	9.518	129	146430	55.700	ug/l	100
61) 1,2-Dibromoethane	9.610	107	152749	53.096	ug/l	100
64) Tetrachloroethene	9.275	164	106961	51.650	ug/l	99
65) Chlorobenzene	10.079	112	339647	49.855	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	132756	56.541	ug/l	99
67) Ethyl Benzene	10.195	91	597527	49.285	ug/l	99
68) m/p-Xylenes	10.299	106	462031	99.945	ug/l	97
69) o-Xylene	10.640	106	235855	51.172	ug/l	98
70) Styrene	10.652	104	392427	52.188	ug/l	96
71) Bromoform	10.799	173	111101	60.471	ug/l #	99
73) Isopropylbenzene	10.963	105	596643	47.442	ug/l	98
74) N-amyl acetate	10.841	43	283454	51.687	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	236523	50.257	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	187323m	50.725	ug/l	
77) Bromobenzene	11.201	156	154894	51.972	ug/l	90
78) n-propylbenzene	11.305	91	693320	47.918	ug/l	100
79) 2-Chlorotoluene	11.366	91	421284	47.301	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	524461	49.620	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	53969	44.423	ug/l	90
82) 4-Chlorotoluene	11.451	91	492229	48.381	ug/l	97
83) tert-Butylbenzene	11.713	119	508264	47.867	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	522194	49.004	ug/l	98
85) sec-Butylbenzene	11.890	105	630863	48.125	ug/l	99
86) p-Isopropyltoluene	12.012	119	530220	49.360	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	283270	49.500	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	282899	48.102	ug/l	98
89) n-Butylbenzene	12.329	91	462339	47.523	ug/l	97
90) Hexachloroethane	12.536	117	91805	50.648	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	292069	51.012	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	49875	51.611	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	175554	51.486	ug/l	96
94) Hexachlorobutadiene	13.725	225	73568	51.651	ug/l	99
95) Naphthalene	13.774	128	648764	52.526	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	181728	51.944	ug/l	98

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

