

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037031.D
 Acq On : 16 Aug 2023 21:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/17/2023
 Supervised By : Mahesh Dadoda 08/17/2023

Quant Time: Aug 17 04:21:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	122361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89793	49.595	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.200%		
35) Dibromofluoromethane	5.385	113	76669	52.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.640%		
50) Toluene-d8	8.647	98	244233	46.997	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.000%		
62) 4-Bromofluorobenzene	11.079	95	104258	53.175	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	82049	50.759	ug/l	99
3) Chloromethane	1.294	50	65915	44.834	ug/l	98
4) Vinyl Chloride	1.374	62	76138	50.865	ug/l	100
5) Bromomethane	1.599	94	45406	50.810	ug/l	99
6) Chloroethane	1.678	64	43601	59.913	ug/l	99
7) Trichlorofluoromethane	1.880	101	138284	59.823	ug/l	98
8) Diethyl Ether	2.136	74	51301	57.364	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	76521	55.100	ug/l	98
10) Methyl Iodide	2.453	142	92803	64.336	ug/l	96
11) Tert butyl alcohol	2.965	59	124474	290.401	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	72822	53.149	ug/l	87
13) Acrolein	2.239	56	58431	238.867	ug/l	99
14) Allyl chloride	2.666	41	115179	42.690	ug/l #	95
15) Acrylonitrile	3.062	53	228970	265.630	ug/l	100
16) Acetone	2.380	43	203113	270.351	ug/l	91
17) Carbon Disulfide	2.508	76	159680	42.227	ug/l	99
18) Methyl Acetate	2.703	43	163544	51.745	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	293438	56.992	ug/l	97
20) Methylene Chloride	2.788	84	84082	50.323	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	80781	52.753	ug/l	89
22) Diisopropyl ether	3.763	45	249673	48.738	ug/l #	84
23) Vinyl Acetate	3.721	43	957780	243.740	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	152512	53.101	ug/l	97
25) 2-Butanone	4.556	43	319263	261.921	ug/l #	89
26) 2,2-Dichloropropane	4.477	77	107357	39.669	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	99664	54.796	ug/l	89
28) Bromochloromethane	4.897	49	63762	45.903	ug/l #	79
29) Tetrahydrofuran	5.007	42	200714	255.404	ug/l #	85
30) Chloroform	5.093	83	171787	58.462	ug/l	99
31) Cyclohexane	5.471	56	114319	45.603	ug/l	87
32) 1,1,1-Trichloroethane	5.385	97	154820	57.502	ug/l	97
36) 1,1-Dichloropropene	5.690	75	115149	52.718	ug/l	98
37) Ethyl Acetate	4.715	43	123866	50.103	ug/l #	95
38) Carbon Tetrachloride	5.678	117	132831	57.201	ug/l	100
39) Methylcyclohexane	7.379	83	117362	43.211	ug/l	90
40) Benzene	6.037	78	339198	53.375	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	67955	51.393	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	135316	58.239	ug/l	96
43) Isopropyl Acetate	6.342	43	203574	47.836	ug/l #	93
44) Trichloroethene	7.129	130	96505	58.097	ug/l	95
45) 1,2-Dichloropropane	7.427	63	86209	50.809	ug/l	99
46) Dibromomethane	7.580	93	68105	57.353	ug/l	95
47) Bromodichloromethane	7.824	83	134588	55.216	ug/l	95
48) Methyl methacrylate	7.696	41	97849	49.441	ug/l #	88
49) 1,4-Dioxane	7.659	88	52094	1302.960	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	619213	262.931	ug/l	92
52) Toluene	8.720	92	223057	56.017	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	139323	50.572	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	146596	50.428	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	94988	56.749	ug/l	97
56) Ethyl methacrylate	9.116	69	148944	54.646	ug/l	89
57) 1,3-Dichloropropane	9.305	76	156976	56.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	318573	237.211	ug/l	93
59) 2-Hexanone	9.427	43	474807	271.656	ug/l	91
60) Dibromochloromethane	9.519	129	105038	57.094	ug/l	99
61) 1,2-Dibromoethane	9.610	107	103062	59.410	ug/l	99
64) Tetrachloroethene	9.275	164	80939	55.549	ug/l	98
65) Chlorobenzene	10.079	112	240891	55.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	95275	57.245	ug/l	100
67) Ethyl Benzene	10.195	91	429370	54.583	ug/l	99
68) m/p-Xylenes	10.299	106	326607	111.280	ug/l	99
69) o-Xylene	10.640	106	162555	55.486	ug/l	100
70) Styrene	10.652	104	275684	57.036	ug/l	98
71) Bromoform	10.799	173	75170	55.795	ug/l #	100
73) Isopropylbenzene	10.963	105	423537	50.576	ug/l	98
74) N-amyl acetate	10.841	43	173698	44.479	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	145521	51.449	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	124039m	52.116	ug/l	
77) Bromobenzene	11.195	156	103560	54.302	ug/l	92
78) n-propylbenzene	11.305	91	475138	49.059	ug/l	99
79) 2-Chlorotoluene	11.366	91	298278	50.825	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	354938	50.664	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	42477	40.451	ug/l	89
82) 4-Chlorotoluene	11.451	91	346158	51.767	ug/l	99
83) tert-Butylbenzene	11.713	119	344514	50.058	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	363124	51.828	ug/l	98
85) sec-Butylbenzene	11.890	105	412184	48.023	ug/l	99
86) p-Isopropyltoluene	12.006	119	348560	49.354	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	192125	54.392	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	193160	55.104	ug/l	99
89) n-Butylbenzene	12.329	91	286936	45.386	ug/l	99
90) Hexachloroethane	12.536	117	62246	43.475	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	192411	56.449	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	35853	54.549	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	111115	52.912	ug/l	98
94) Hexachlorobutadiene	13.725	225	44355	51.054	ug/l	97
95) Naphthalene	13.774	128	430336	58.805	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	112917	54.555	ug/l	98

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

