

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051023\
 Data File : VX035598.D
 Acq On : 10 May 2023 19:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/11/2023
 Supervised By : Mahesh Dadoda 05/11/2023

Quant Time: May 11 04:31:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	336095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	533049	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	472555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	237923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	153169	37.775	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	75.540%#		
35) Dibromofluoromethane	5.385	113	143481	43.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.720%		
50) Toluene-d8	8.647	98	509840	41.310	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	82.620%#		
62) 4-Bromofluorobenzene	11.079	95	201355	43.369	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	137727	38.728	ug/l	99
3) Chloromethane	1.294	50	150094	46.395	ug/l	99
4) Vinyl Chloride	1.374	62	135858	41.870	ug/l	98
5) Bromomethane	1.618	94	75209	34.874	ug/l	98
6) Chloroethane	1.691	64	75759	39.921	ug/l	99
7) Trichlorofluoromethane	1.886	101	212365	41.852	ug/l	99
8) Diethyl Ether	2.130	74	84020	45.414	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	149360	44.071	ug/l	92
10) Methyl Iodide	2.453	142	153656	35.924	ug/l	98
11) Tert butyl alcohol	3.001	59	169705m	229.861	ug/l	
12) 1,1-Dichloroethene	2.319	96	148888	45.611	ug/l	91
13) Acrolein	2.239	56	135383	186.462	ug/l	99
14) Allyl chloride	2.666	41	260072	45.273	ug/l	93
15) Acrylonitrile	3.068	53	431292	233.566	ug/l	100
16) Acetone	2.392	43	331612	188.302	ug/l	96
17) Carbon Disulfide	2.514	76	338601	43.270	ug/l	99
18) Methyl Acetate	2.703	43	325142	47.745	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	547737	48.909	ug/l	98
20) Methylene Chloride	2.788	84	179413	44.431	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	166435	46.945	ug/l	90
22) Diisopropyl ether	3.757	45	532035	46.802	ug/l #	89
23) Vinyl Acetate	3.721	43	1857676	237.741	ug/l	96
24) 1,1-Dichloroethane	3.611	63	300997	47.008	ug/l	99
25) 2-Butanone	4.562	43	560726	218.143	ug/l	93
26) 2,2-Dichloropropane	4.477	77	238878	47.619	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	203245	48.771	ug/l	91
28) Bromochloromethane	4.891	49	106163	38.906	ug/l #	77
29) Tetrahydrofuran	5.007	42	367186	222.837	ug/l	92
30) Chloroform	5.093	83	311711	48.222	ug/l	98
31) Cyclohexane	5.470	56	257084	44.696	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	272969	48.186	ug/l	96
36) 1,1-Dichloropropene	5.690	75	224357	43.918	ug/l	96
37) Ethyl Acetate	4.715	43	216501	46.401	ug/l #	94
38) Carbon Tetrachloride	5.678	117	230638	47.558	ug/l	96
39) Methylcyclohexane	7.379	83	283684	45.620	ug/l	97
40) Benzene	6.037	78	693449	47.319	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	130347	48.755	ug/l	95
42) 1,2-Dichloroethane	6.086	62	230703	44.152	ug/l	95
43) Isopropyl Acetate	6.336	43	378966	48.337	ug/l #	93
44) Trichloroethene	7.123	130	200546	49.676	ug/l	93
45) 1,2-Dichloropropane	7.427	63	178403	48.287	ug/l	98
46) Dibromomethane	7.580	93	124782	49.182	ug/l #	89
47) Bromodichloromethane	7.818	83	234720	50.212	ug/l	97
48) Methyl methacrylate	7.690	41	185771	48.305	ug/l	88
49) 1,4-Dioxane	7.714	88	76600	817.135	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	1111002	230.657	ug/l	93
52) Toluene	8.720	92	452650	48.728	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	267685	54.833	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	293890	53.261	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	185399	50.065	ug/l	97
56) Ethyl methacrylate	9.116	69	280243	50.801	ug/l #	85
57) 1,3-Dichloropropane	9.305	76	306691	48.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	692258	250.971	ug/l	91
59) 2-Hexanone	9.433	43	814670	225.139	ug/l	91
60) Dibromochloromethane	9.519	129	192580	54.278	ug/l	99
61) 1,2-Dibromoethane	9.610	107	193890	50.789	ug/l	98
64) Tetrachloroethene	9.275	164	165455	45.728	ug/l	98
65) Chlorobenzene	10.079	112	497526	48.663	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	187135	52.593	ug/l	99
67) Ethyl Benzene	10.195	91	859502	48.544	ug/l	100
68) m/p-Xylenes	10.299	106	676734	99.749	ug/l	94
69) o-Xylene	10.640	106	341036	51.262	ug/l	93
70) Styrene	10.652	104	559506	51.870	ug/l	96
71) Bromoform	10.799	173	143509	57.985	ug/l	99
73) Isopropylbenzene	10.963	105	863054	49.624	ug/l	99
74) N-amyl acetate	10.841	43	318336	48.705	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	270006	50.018	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	218807m	46.103	ug/l	
77) Bromobenzene	11.195	156	224576	51.946	ug/l	87
78) n-propylbenzene	11.305	91	968076	48.466	ug/l	97
79) 2-Chlorotoluene	11.366	91	591837	47.417	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	737047	50.260	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	81253	55.449	ug/l	91
82) 4-Chlorotoluene	11.451	91	675150	48.160	ug/l	95
83) tert-Butylbenzene	11.713	119	746998	50.768	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	743440	50.455	ug/l	99
85) sec-Butylbenzene	11.890	105	900595	49.899	ug/l	98
86) p-Isopropyltoluene	12.006	119	784984	51.138	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	417132	50.771	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	417102	48.420	ug/l	98
89) n-Butylbenzene	12.329	91	642499	49.582	ug/l	98
90) Hexachloroethane	12.536	117	122883	52.295	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	413074	50.269	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	53913	49.807	ug/l	73
93) 1,2,4-Trichlorobenzene	13.585	180	274860	53.214	ug/l	99
94) Hexachlorobutadiene	13.725	225	110003	48.526	ug/l	100
95) Naphthalene	13.774	128	849253	53.409	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	265265	51.017	ug/l	98

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

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