

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034373.D
 Acq On : 08 Mar 2023 09:44
 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 03/09/2023
 Supervised By : Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 04:05:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	271642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	446468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	407695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	210681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	156482	42.774	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.540%		
35) Dibromofluoromethane	5.385	113	131072	45.089	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.180%		
50) Toluene-d8	8.647	98	473177	45.337	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.680%#		
62) 4-Bromofluorobenzene	11.079	95	197214	49.400	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	112937	48.114	ug/l	97
3) Chloromethane	1.300	50	156830	46.429	ug/l	99
4) Vinyl Chloride	1.374	62	162984	52.981	ug/l	100
5) Bromomethane	1.599	94	83852	75.230	ug/l	100
6) Chloroethane	1.685	64	97151	62.819	ug/l	98
7) Trichlorofluoromethane	1.886	101	252556	60.684	ug/l	98
8) Diethyl Ether	2.130	74	91971	54.852	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	141183	48.169	ug/l	95
10) Methyl Iodide	2.453	142	173394	48.588	ug/l	95
11) Tert butyl alcohol	2.953	59	181336	221.616	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	135085	45.977	ug/l	96
13) Acrolein	2.233	56	98954	264.929	ug/l	99
14) Allyl chloride	2.660	41	270291	43.368	ug/l	91
15) Acrylonitrile	3.062	53	419842	235.203	ug/l	99
16) Acetone	2.373	43	445469	236.051	ug/l	94
17) Carbon Disulfide	2.508	76	351811	41.648	ug/l	99
18) Methyl Acetate	2.703	43	278919	47.765	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	497744	48.000	ug/l	99
20) Methylene Chloride	2.788	84	155427	45.709	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	148490	48.231	ug/l	95
22) Diisopropyl ether	3.757	45	557743	51.046	ug/l	94
23) Vinyl Acetate	3.721	43	2137112	244.129	ug/l	99
24) 1,1-Dichloroethane	3.605	63	287076	47.859	ug/l	100
25) 2-Butanone	4.550	43	640643	234.619	ug/l	99
26) 2,2-Dichloropropane	4.471	77	251496	46.283	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	180592	49.535	ug/l	96
28) Bromochloromethane	4.891	49	114773	42.893	ug/l	87
29) Tetrahydrofuran	4.995	42	392339	235.531	ug/l	98
30) Chloroform	5.092	83	290459	50.428	ug/l	99
31) Cyclohexane	5.470	56	263292	48.205	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	255983	49.578	ug/l	98
36) 1,1-Dichloropropene	5.690	75	215672	50.167	ug/l	97
37) Ethyl Acetate	4.708	43	237618	49.456	ug/l	99
38) Carbon Tetrachloride	5.672	117	222511	50.298	ug/l	98
39) Methylcyclohexane	7.379	83	270292	48.856	ug/l	98
40) Benzene	6.037	78	644507	50.589	ug/l	100

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41) Methacrylonitrile	4.916	41	134480	50.237	ug/l	99
42) 1,2-Dichloroethane	6.080	62	232232	51.828	ug/l	98
43) Isopropyl Acetate	6.336	43	413928	48.821	ug/l	99
44) Trichloroethene	7.123	130	169762	51.925	ug/l	94
45) 1,2-Dichloropropane	7.427	63	171473	50.559	ug/l	98
46) Dibromomethane	7.580	93	113906	51.032	ug/l	87
47) Bromodichloromethane	7.818	83	232457	50.748	ug/l	98
48) Methyl methacrylate	7.690	41	199022	49.456	ug/l	97
49) 1,4-Dioxane	7.653	88	76516	953.264	ug/l #	99
51) 4-Methyl-2-Pentanone	8.567	43	1237077	265.198	ug/l	98
52) Toluene	8.714	92	409190	53.006	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	267974	50.824	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	281370	49.848	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	167983	53.911	ug/l	97
56) Ethyl methacrylate	9.116	69	277655	52.674	ug/l	96
57) 1,3-Dichloropropane	9.305	76	289637	53.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	577623	252.963	ug/l	95
59) 2-Hexanone	9.427	43	957169	269.245	ug/l	98
60) Dibromochloromethane	9.519	129	181493	52.714	ug/l	100
61) 1,2-Dibromoethane	9.610	107	176028	53.416	ug/l	98
64) Tetrachloroethene	9.275	164	143722	49.948	ug/l	93
65) Chlorobenzene	10.079	112	443955	52.240	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	167248	50.836	ug/l	98
67) Ethyl Benzene	10.195	91	811003	53.119	ug/l	98
68) m/p-Xylenes	10.299	106	618111	105.790	ug/l	94
69) o-Xylene	10.640	106	307325	52.834	ug/l	93
70) Styrene	10.652	104	506141	53.502	ug/l	94
71) Bromoform	10.799	173	132892	49.486	ug/l #	98
73) Isopropylbenzene	10.963	105	810914	50.503	ug/l	99
74) N-amyl acetate	10.841	43	389668	48.306	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	263293	47.943	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	220218m	41.540	ug/l	
77) Bromobenzene	11.195	156	193768	50.147	ug/l	83
78) n-propylbenzene	11.305	91	959936	51.405	ug/l	96
79) 2-Chlorotoluene	11.366	91	574434	50.166	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	681067	50.451	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	88565	42.917	ug/l	98
82) 4-Chlorotoluene	11.451	91	667194	51.158	ug/l	95
83) tert-Butylbenzene	11.713	119	672348	48.629	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	687589	50.375	ug/l	96
85) sec-Butylbenzene	11.890	105	853537	50.836	ug/l	97
86) p-Isopropyltoluene	12.006	119	709864	51.087	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	365028	50.372	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	369762	50.588	ug/l	97
89) n-Butylbenzene	12.329	91	631464	51.023	ug/l	98
90) Hexachloroethane	12.536	117	135624	46.682	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	353653	49.879	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	58133	44.390	ug/l	73
93) 1,2,4-Trichlorobenzene	13.585	180	225136	49.459	ug/l	96
94) Hexachlorobutadiene	13.725	225	87937	46.601	ug/l	98
95) Naphthalene	13.774	128	731396	47.697	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	214334	47.428	ug/l	98

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

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