

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022723\
 Data File : VX034278.D
 Acq On : 27 Feb 2023 16:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 04:09:00 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	5.544	168	295982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	483209	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	441083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	232501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	182453	45.771	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.540%		
35) Dibromofluoromethane	5.379	113	157452	50.046	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.100%		
50) Toluene-d8	8.647	98	588920	52.136	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.280%		
62) 4-Bromofluorobenzene	11.079	95	238917	55.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	126580	49.492	ug/l	98
3) Chloromethane	1.295	50	173736	47.204	ug/l	99
4) Vinyl Chloride	1.374	62	181002	54.000	ug/l	98
5) Bromomethane	1.599	94	78763	63.807	ug/l	99
6) Chloroethane	1.679	64	103096	61.181	ug/l	99
7) Trichlorofluoromethane	1.886	101	277585	61.213	ug/l	99
8) Diethyl Ether	2.130	74	102769	56.252	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	153663	48.116	ug/l	96
10) Methyl Iodide	2.447	142	180539	46.430	ug/l	94
11) Tert butyl alcohol	2.953	59	191643	214.952	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	148624	46.425	ug/l	91
13) Acrolein	2.233	56	104466	256.686	ug/l	99
14) Allyl chloride	2.660	41	295435	43.505	ug/l	89
15) Acrylonitrile	3.056	53	462384	237.734	ug/l	99
16) Acetone	2.374	43	414477	201.568	ug/l	95
17) Carbon Disulfide	2.508	76	370027	40.202	ug/l	99
18) Methyl Acetate	2.697	43	311147	48.902	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	545214	48.254	ug/l	97
20) Methylene Chloride	2.788	84	169102	45.641	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	159845	47.650	ug/l	99
22) Diisopropyl ether	3.758	45	607670	51.042	ug/l	89
23) Vinyl Acetate	3.715	43	2353524	246.741	ug/l	100
24) 1,1-Dichloroethane	3.605	63	310543	47.514	ug/l	99
25) 2-Butanone	4.544	43	669935	225.170	ug/l	99
26) 2,2-Dichloropropane	4.471	77	270753	45.730	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	195805	49.291	ug/l	97
28) Bromochloromethane	4.891	49	127769	43.823	ug/l	89
29) Tetrahydrofuran	4.995	42	435354	239.861	ug/l	98
30) Chloroform	5.087	83	312327	49.766	ug/l	100
31) Cyclohexane	5.465	56	282012	47.386	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	273276	48.574	ug/l	99
36) 1,1-Dichloropropene	5.684	75	227209	48.832	ug/l	99
37) Ethyl Acetate	4.702	43	260739	50.142	ug/l	99
38) Carbon Tetrachloride	5.672	117	236502	49.396	ug/l	98
39) Methylcyclohexane	7.373	83	292717	48.886	ug/l	99
40) Benzene	6.032	78	700545	50.806	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	148312	51.191	ug/l	99
42) 1,2-Dichloroethane	6.080	62	241042	49.704	ug/l	100
43) Isopropyl Acetate	6.330	43	457453	49.852	ug/l	99
44) Trichloroethene	7.123	130	181936	51.417	ug/l	96
45) 1,2-Dichloropropane	7.428	63	187438	51.064	ug/l	98
46) Dibromomethane	7.574	93	123336	51.055	ug/l	88
47) Bromodichloromethane	7.818	83	247342	49.892	ug/l	98
48) Methyl methacrylate	7.690	41	214712	49.298	ug/l	98
49) 1,4-Dioxane	7.653	88	88158	1014.794	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	1364753	270.323	ug/l	99
52) Toluene	8.714	92	449170	53.761	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	296088	51.886	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	305501	50.007	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	185173	54.909	ug/l	97
56) Ethyl methacrylate	9.110	69	300286	52.636	ug/l	96
57) 1,3-Dichloropropane	9.305	76	312866	53.322	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	645716	261.282	ug/l	95
59) 2-Hexanone	9.427	43	1029627	267.605	ug/l	98
60) Dibromochloromethane	9.519	129	203980	54.741	ug/l	99
61) 1,2-Dibromoethane	9.610	107	192206	53.890	ug/l	98
64) Tetrachloroethene	9.269	164	154813	49.730	ug/l	93
65) Chlorobenzene	10.080	112	483812	52.620	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	185318	52.065	ug/l	98
67) Ethyl Benzene	10.189	91	871507	52.761	ug/l	98
68) m/p-Xylenes	10.299	106	672824	106.438	ug/l	94
69) o-Xylene	10.640	106	339348	53.924	ug/l	97
70) Styrene	10.653	104	566593	55.358	ug/l	96
71) Bromoform	10.799	173	153142	52.710	ug/l	99
73) Isopropylbenzene	10.964	105	886501	50.029	ug/l	100
74) N-amyl acetate	10.842	43	428276	48.110	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	295855	48.816	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	246977m	42.216	ug/l	
77) Bromobenzene	11.195	156	212257	49.777	ug/l	85
78) n-propylbenzene	11.305	91	1053195	51.106	ug/l	97
79) 2-Chlorotoluene	11.360	91	629487	49.815	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	752725	50.526	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	103727	45.547	ug/l	92
82) 4-Chlorotoluene	11.451	91	740746	51.467	ug/l	95
83) tert-Butylbenzene	11.713	119	757619	49.654	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	765875	50.844	ug/l	96
85) sec-Butylbenzene	11.890	105	969222	52.309	ug/l	98
86) p-Isopropyltoluene	12.006	119	811706	52.934	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	413838	51.748	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	414680	51.409	ug/l	97
89) n-Butylbenzene	12.329	91	729570	53.418	ug/l	98
90) Hexachloroethane	12.536	117	159666	49.800	ug/l	78
91) 1,2-Dichlorobenzene	12.335	146	404784	51.733	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64280	44.477	ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	254088	50.580	ug/l	98
94) Hexachlorobutadiene	13.725	225	105862	50.835	ug/l	100
95) Naphthalene	13.774	128	834905	49.337	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	253397	50.809	ug/l	98

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

