

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
 Data File : VX037427.D
 Acq On : 31 Aug 2023 13:43
 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 09/01/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Sep 01 03:10:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	122207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211329	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93218	52.910	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.820%			
35) Dibromofluoromethane	5.385	113	79235	56.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.220%			
50) Toluene-d8	8.647	98	269971	53.177	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.360%			
62) 4-Bromofluorobenzene	11.079	95	117641	58.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	71842	50.608	ug/l	99
3) Chloromethane	1.301	50	70717	56.941	ug/l	99
4) Vinyl Chloride	1.374	62	70614	52.236	ug/l	99
5) Bromomethane	1.599	94	36873	54.759	ug/l	97
6) Chloroethane	1.679	64	46691	58.694	ug/l	97
7) Trichlorofluoromethane	1.886	101	111484	50.345	ug/l	99
8) Diethyl Ether	2.130	74	49048	57.251	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	67009	51.871	ug/l	97
10) Methyl Iodide	2.447	142	76243	48.560	ug/l	94
11) Tert butyl alcohol	2.959	59	104641	253.193	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	63172	50.216	ug/l	83
13) Acrolein	2.233	56	83463	265.464	ug/l	99
14) Allyl chloride	2.660	41	100835	51.786	ug/l #	90
15) Acrylonitrile	3.063	53	214205	290.384	ug/l	99
16) Acetone	2.380	43	193407	280.607	ug/l #	88
17) Carbon Disulfide	2.508	76	144151	45.049	ug/l	98
18) Methyl Acetate	2.703	43	143145	55.159	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	266452	55.847	ug/l	96
20) Methylene Chloride	2.788	84	84690	54.945	ug/l #	85
21) trans-1,2-Dichloroethene	3.087	96	73105	51.120	ug/l	88
22) Diisopropyl ether	3.758	45	218822	54.765	ug/l #	87
23) Vinyl Acetate	3.721	43	848431	277.092	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	132839	53.016	ug/l	96
25) 2-Butanone	4.550	43	287103	276.646	ug/l #	87
26) 2,2-Dichloropropane	4.471	77	108821	48.631	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	90842	53.884	ug/l	88
28) Bromochloromethane	4.898	49	61298	54.764	ug/l #	73
29) Tetrahydrofuran	5.001	42	180389	272.559	ug/l #	83
30) Chloroform	5.093	83	149872	53.284	ug/l	98
31) Cyclohexane	5.471	56	100110	50.534	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	124803	49.514	ug/l	96
36) 1,1-Dichloropropene	5.690	75	97537	49.052	ug/l	97
37) Ethyl Acetate	4.709	43	109728	54.022	ug/l #	93
38) Carbon Tetrachloride	5.672	117	106681	49.390	ug/l	94
39) Methylcyclohexane	7.379	83	121284	58.055	ug/l	90
40) Benzene	6.038	78	309014	54.186	ug/l	97

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59015	55.890	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	118946	53.187	ug/l	94
43) Isopropyl Acetate	6.336	43	173970	53.948	ug/l #	90
44) Trichloroethene	7.123	130	83110	51.396	ug/l	95
45) 1,2-Dichloropropane	7.428	63	79537	56.564	ug/l	98
46) Dibromomethane	7.580	93	62555	56.471	ug/l	93
47) Bromodichloromethane	7.818	83	118592	55.894	ug/l	99
48) Methyl methacrylate	7.690	41	86663	55.106	ug/l #	82
49) 1,4-Dioxane	7.659	88	47986	1132.970	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	554094	282.966	ug/l	89
52) Toluene	8.720	92	202743	53.807	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	128964	57.086	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	137757	56.427	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	90927	59.263	ug/l	98
56) Ethyl methacrylate	9.116	69	139711	58.134	ug/l #	82
57) 1,3-Dichloropropane	9.305	76	150196	58.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	310551	269.270	ug/l	92
59) 2-Hexanone	9.427	43	430158	288.106	ug/l	86
60) Dibromochloromethane	9.519	129	96504	59.076	ug/l	100
61) 1,2-Dibromoethane	9.610	107	96995	57.740	ug/l	98
64) Tetrachloroethene	9.275	164	66613	44.676	ug/l	97
65) Chlorobenzene	10.080	112	228334	52.857	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	86456	54.227	ug/l	99
67) Ethyl Benzene	10.195	91	394931	51.956	ug/l	99
68) m/p-Xylenes	10.299	106	310461	105.764	ug/l	97
69) o-Xylene	10.640	106	155111	53.558	ug/l	98
70) Styrene	10.653	104	267159	56.001	ug/l	96
71) Bromoform	10.799	173	69322	58.127	ug/l #	98
73) Isopropylbenzene	10.964	105	396243	47.318	ug/l	98
74) N-amyl acetate	10.842	43	158319	48.656	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.214	83	148255	52.570	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	121992m	49.720	ug/l	
77) Bromobenzene	11.195	156	100967	49.369	ug/l	92
78) n-propylbenzene	11.305	91	460242	49.358	ug/l	99
79) 2-Chlorotoluene	11.366	91	286936	48.153	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	347645	49.767	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	43459	49.472	ug/l	87
82) 4-Chlorotoluene	11.451	91	333265	48.450	ug/l	97
83) tert-Butylbenzene	11.713	119	346446	52.004	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	353019	50.004	ug/l	97
85) sec-Butylbenzene	11.890	105	425920	54.735	ug/l	98
86) p-Isopropyltoluene	12.006	119	371739	55.495	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	195269	50.998	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	199121	50.334	ug/l	99
89) n-Butylbenzene	12.329	91	324342	58.401	ug/l	99
90) Hexachloroethane	12.536	117	63153	56.484	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	198309	52.891	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33853	51.661	ug/l	79
93) 1,2,4-Trichlorobenzene	13.585	180	130525	59.496	ug/l	97
94) Hexachlorobutadiene	13.725	225	53602	63.245	ug/l	98
95) Naphthalene	13.774	128	453003	47.139	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	126735	58.145	ug/l	98

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

