

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101123\
 Data File : VX038215.D
 Acq On : 11 Oct 2023 09:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

Quant Time: Oct 12 02:38:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	137843	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	227636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	132817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105430	47.553	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.100%			
35) Dibromofluoromethane	5.385	113	83541	50.932	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.647	98	316681	50.525	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.040%			
62) 4-Bromofluorobenzene	11.079	95	123407	51.935	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	68266	51.307	ug/l	99
3) Chloromethane	1.295	50	64396	47.486	ug/l	99
4) Vinyl Chloride	1.374	62	73230	48.704	ug/l	95
5) Bromomethane	1.599	94	109739	55.668	ug/l	98
6) Chloroethane	1.679	64	58157	52.627	ug/l	97
7) Trichlorofluoromethane	1.886	101	148616	50.041	ug/l	100
8) Diethyl Ether	2.130	74	53949	48.707	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.325	101	68409	52.764	ug/l	98
10) Methyl Iodide	2.453	142	89122	47.775	ug/l	94
11) Tert butyl alcohol	2.953	59	110380	224.397	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	63458	50.317	ug/l	89
13) Acrolein	2.233	56	86872	275.621	ug/l	99
14) Allyl chloride	2.660	41	108121	47.931	ug/l	93
15) Acrylonitrile	3.056	53	243359	241.197	ug/l	99
16) Acetone	2.374	43	277727	300.144	ug/l	93
17) Carbon Disulfide	2.508	76	162947	44.829	ug/l	99
18) Methyl Acetate	2.697	43	195955	49.383	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	243029	48.385	ug/l	99
20) Methylene Chloride	2.788	84	79632	45.752	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	73575	47.118	ug/l	93
22) Diisopropyl ether	3.758	45	233765	49.445	ug/l	90
23) Vinyl Acetate	3.715	43	869596	250.816	ug/l	97
24) 1,1-Dichloroethane	3.605	63	139473	48.611	ug/l	99
25) 2-Butanone	4.544	43	375281	251.366	ug/l	93
26) 2,2-Dichloropropane	4.471	77	114632	51.173	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	91149	49.013	ug/l	92
28) Bromochloromethane	4.891	49	66335	51.215	ug/l	89
29) Tetrahydrofuran	4.995	42	227735	234.292	ug/l	88
30) Chloroform	5.087	83	158059	50.377	ug/l	98
31) Cyclohexane	5.471	56	116794	48.622	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	135107	50.275	ug/l	100
36) 1,1-Dichloropropene	5.690	75	110654	48.921	ug/l	98
37) Ethyl Acetate	4.709	43	133256	49.606	ug/l	98
38) Carbon Tetrachloride	5.672	117	116536	52.373	ug/l	99
39) Methylcyclohexane	7.379	83	136137	51.384	ug/l	93
40) Benzene	6.032	78	321471	50.814	ug/l	99

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41) Methacrylonitrile	4.910	41	68547	51.294	ug/l #	89
42) 1,2-Dichloroethane	6.080	62	128573	50.867	ug/l	99
43) Isopropyl Acetate	6.336	43	205752	51.307	ug/l	97
44) Trichloroethene	7.123	130	86594	52.333	ug/l	98
45) 1,2-Dichloropropane	7.428	63	84483	51.596	ug/l	100
46) Dibromomethane	7.580	93	64842	51.059	ug/l	97
47) Bromodichloromethane	7.818	83	124110	54.936	ug/l	97
48) Methyl methacrylate	7.690	41	100388	52.438	ug/l	87
49) 1,4-Dioxane	7.653	88	46529	986.302	ug/l #	91
51) 4-Methyl-2-Pentanone	8.568	43	720782	260.579	ug/l	97
52) Toluene	8.714	92	215251	52.232	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	133830	55.188	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	137868	54.113	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	92390	52.414	ug/l	95
56) Ethyl methacrylate	9.116	69	141151	52.228	ug/l	93
57) 1,3-Dichloropropane	9.305	76	148115	51.953	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	332052	250.304	ug/l	100
59) 2-Hexanone	9.427	43	606314	272.658	ug/l	95
60) Dibromochloromethane	9.519	129	98538	57.118	ug/l	100
61) 1,2-Dibromoethane	9.610	107	101931	53.474	ug/l	99
64) Tetrachloroethene	9.269	164	74491	50.552	ug/l	98
65) Chlorobenzene	10.080	112	239158	50.211	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	87847	54.542	ug/l	98
67) Ethyl Benzene	10.195	91	436561	51.348	ug/l	100
68) m/p-Xylenes	10.299	106	333648	101.492	ug/l	99
69) o-Xylene	10.640	106	161867	50.450	ug/l	99
70) Styrene	10.653	104	276983	53.010	ug/l	98
71) Bromoform	10.799	173	75039	50.209	ug/l #	99
73) Isopropylbenzene	10.964	105	441385	49.554	ug/l	100
74) N-amyl acetate	10.842	43	193693	50.923	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	166003	50.790	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	155068m	51.357	ug/l	
77) Bromobenzene	11.195	156	106225	48.848	ug/l	93
78) n-propylbenzene	11.305	91	543200	49.876	ug/l	99
79) 2-Chlorotoluene	11.360	91	310556	48.081	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	388124	50.507	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	48622	47.261	ug/l	92
82) 4-Chlorotoluene	11.451	91	379260	49.621	ug/l	97
83) tert-Butylbenzene	11.713	119	378598	50.421	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	392213	51.190	ug/l	99
85) sec-Butylbenzene	11.890	105	500559	51.462	ug/l	100
86) p-Isopropyltoluene	12.006	119	419501	52.274	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	214942	49.211	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	218605	49.024	ug/l	98
89) n-Butylbenzene	12.329	91	416074	52.060	ug/l	96
90) Hexachloroethane	12.536	117	72385	54.402	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	210200	50.066	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	40202	50.874	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	136585	48.504	ug/l	98
94) Hexachlorobutadiene	13.725	225	59794	52.757	ug/l	98
95) Naphthalene	13.774	128	465262	47.444	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	132514	48.601	ug/l	98

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

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