

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038894.D
 Acq On : 17 Nov 2023 22:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 18 01:35:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/18/2023
 Supervised By : Mahesh Dadoda 11/20/2023

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	135911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	252441	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112306	51.281	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.560%			
35) Dibromofluoromethane	5.379	113	91283	50.068	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.140%			
50) Toluene-d8	8.647	98	343798	49.286	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.079	95	135957	48.688	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83621	52.730	ug/l	100
3) Chloromethane	1.294	50	95796	46.282	ug/l	96
4) Vinyl Chloride	1.374	62	100707	50.510	ug/l	100
5) Bromomethane	1.599	94	46164	56.000	ug/l	98
6) Chloroethane	1.678	64	61151	53.744	ug/l	98
7) Trichlorofluoromethane	1.880	101	133386	52.720	ug/l	97
8) Diethyl Ether	2.130	74	56510	51.281	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	79363	47.300	ug/l	98
10) Methyl Iodide	2.447	142	102443	50.164	ug/l	91
11) Tert butyl alcohol	2.959	59	171728	281.935	ug/l #	92
12) 1,1-Dichloroethene	2.312	96	80154	47.317	ug/l	90
13) Acrolein	2.233	56	81166	251.868	ug/l	99
14) Allyl chloride	2.660	41	162592	47.940	ug/l	92
15) Acrylonitrile	3.062	53	335370	260.575	ug/l	98
16) Acetone	2.379	43	282421	242.251	ug/l #	89
17) Carbon Disulfide	2.507	76	219849	41.898	ug/l	100
18) Methyl Acetate	2.696	43	291980	52.727	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	310450	52.106	ug/l	96
20) Methylene Chloride	2.788	84	97558	46.421	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	88853	47.538	ug/l	95
22) Diisopropyl ether	3.757	45	314598	50.563	ug/l	88
23) Vinyl Acetate	3.715	43	1133125	252.872	ug/l	100
24) 1,1-Dichloroethane	3.605	63	171244	49.217	ug/l	100
25) 2-Butanone	4.550	43	486584	257.379	ug/l	95
26) 2,2-Dichloropropane	4.471	77	128061	42.432	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	107449	49.318	ug/l	94
28) Bromochloromethane	4.891	49	87568	52.420	ug/l	99
29) Tetrahydrofuran	4.995	42	322475	268.643	ug/l	97
30) Chloroform	5.086	83	170498	50.184	ug/l	98
31) Cyclohexane	5.464	56	143197	45.797	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	146552	49.801	ug/l	99
36) 1,1-Dichloropropene	5.690	75	124277	47.560	ug/l	98
37) Ethyl Acetate	4.708	43	177568	52.158	ug/l	98
38) Carbon Tetrachloride	5.672	117	123075	50.962	ug/l	99
39) Methylcyclohexane	7.379	83	153128	44.926	ug/l	98
40) Benzene	6.037	78	376614	48.730	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	93096	52.725	ug/l	92
42) 1,2-Dichloroethane	6.080	62	134673	52.594	ug/l	97
43) Isopropyl Acetate	6.336	43	281150	51.675	ug/l	98
44) Trichloroethene	7.123	130	93870	49.899	ug/l	98
45) 1,2-Dichloropropane	7.427	63	103973	49.991	ug/l	100
46) Dibromomethane	7.580	93	71982	51.898	ug/l	98
47) Bromodichloromethane	7.818	83	139302	50.603	ug/l	98
48) Methyl methacrylate	7.689	41	131056	49.646	ug/l	94
49) 1,4-Dioxane	7.653	88	61686	1207.867	ug/l #	93
51) 4-Methyl-2-Pentanone	8.573	43	932260	268.127	ug/l	99
52) Toluene	8.714	92	234358	48.865	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	160121	48.946	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	166628	49.310	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	100261	50.101	ug/l	95
56) Ethyl methacrylate	9.116	69	175315	51.778	ug/l	95
57) 1,3-Dichloropropane	9.305	76	169236	51.135	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	421620	267.306	ug/l	96
59) 2-Hexanone	9.427	43	741625	266.115	ug/l	96
60) Dibromochloromethane	9.518	129	106321	52.252	ug/l	100
61) 1,2-Dibromoethane	9.610	107	108636	51.734	ug/l	99
64) Tetrachloroethene	9.275	164	73163	50.258	ug/l	97
65) Chlorobenzene	10.079	112	247391	49.038	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	92921	51.204	ug/l	99
67) Ethyl Benzene	10.195	91	458905	49.511	ug/l	100
68) m/p-Xylenes	10.299	106	346351	98.784	ug/l	99
69) o-Xylene	10.640	106	172445	49.706	ug/l	99
70) Styrene	10.652	104	289295	49.375	ug/l	98
71) Bromoform	10.799	173	79056	52.257	ug/l #	99
73) Isopropylbenzene	10.963	105	444921	48.310	ug/l	99
74) N-amyl acetate	10.841	43	244736	50.270	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	176531	49.103	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	149515m	50.698	ug/l	
77) Bromobenzene	11.195	156	102202	49.387	ug/l	99
78) n-propylbenzene	11.305	91	548203	48.359	ug/l	98
79) 2-Chlorotoluene	11.366	91	319870	47.546	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	382442	49.388	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	62396	46.929	ug/l #	80
82) 4-Chlorotoluene	11.457	91	374900	48.329	ug/l	99
83) tert-Butylbenzene	11.713	119	368682	48.343	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	386213	49.276	ug/l	100
85) sec-Butylbenzene	11.890	105	492021	49.322	ug/l	99
86) p-Isopropyltoluene	12.006	119	391263	48.859	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	197306	48.689	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	198147	47.774	ug/l	98
89) n-Butylbenzene	12.335	91	387102	47.911	ug/l	97
90) Hexachloroethane	12.536	117	77886	48.704	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	193153	50.254	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45311	51.442	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	126877	49.261	ug/l	98
94) Hexachlorobutadiene	13.725	225	44220	48.482	ug/l	99
95) Naphthalene	13.774	128	480523	50.093	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	123347	50.520	ug/l	100

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

