

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039154.D
 Acq On : 12 Dec 2023 09:17
 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 12/13/2023
 Supervised By : Mahesh Dadoda 12/13/2023

Quant Time: Dec 13 04:11:56 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

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	238020	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	219105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	108691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	121204	57.050	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.100%			
35) Dibromofluoromethane	5.379	113	87430	50.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	8.647	98	315097	47.908	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.820%			
62) 4-Bromofluorobenzene	11.079	95	132054	50.156	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	95281	61.934	ug/l	99
3) Chloromethane	1.295	50	106063	52.821	ug/l	99
4) Vinyl Chloride	1.374	62	99002	51.185	ug/l	99
5) Bromomethane	1.599	94	66493	83.146	ug/l	100
6) Chloroethane	1.685	64	57274	51.887	ug/l	99
7) Trichlorofluoromethane	1.886	101	145839	59.419	ug/l	99
8) Diethyl Ether	2.130	74	50868	47.584	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	90490	55.593	ug/l	97
10) Methyl Iodide	2.453	142	89718	45.286	ug/l	94
11) Tert butyl alcohol	2.947	59	139579	236.216	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	87656	53.341	ug/l	94
13) Acrolein	2.233	56	96495	308.664	ug/l	99
14) Allyl chloride	2.660	41	177718	54.015	ug/l	98
15) Acrylonitrile	3.056	53	307378	246.185	ug/l	99
16) Acetone	2.374	43	347617	307.362	ug/l	94
17) Carbon Disulfide	2.508	76	258219	50.727	ug/l	99
18) Methyl Acetate	2.697	43	269109	50.095	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	317534	54.937	ug/l	98
20) Methylene Chloride	2.788	84	100992	49.536	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	95631	52.741	ug/l	99
22) Diisopropyl ether	3.751	45	329319	54.560	ug/l	97
23) Vinyl Acetate	3.715	43	1248486	287.202	ug/l	100
24) 1,1-Dichloroethane	3.605	63	183475	54.358	ug/l	99
25) 2-Butanone	4.544	43	470029	256.283	ug/l	98
26) 2,2-Dichloropropane	4.471	77	164350	56.134	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	109951	52.021	ug/l	98
28) Bromochloromethane	4.891	49	84098	51.894	ug/l	94
29) Tetrahydrofuran	4.989	42	291515	250.335	ug/l	100
30) Chloroform	5.087	83	182726	55.440	ug/l	98
31) Cyclohexane	5.465	56	167924	55.360	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	160361	56.173	ug/l	98
36) 1,1-Dichloropropene	5.690	75	140063	56.849	ug/l	99
37) Ethyl Acetate	4.702	43	167300	52.120	ug/l	99
38) Carbon Tetrachloride	5.672	117	134937	59.259	ug/l	96
39) Methylcyclohexane	7.379	83	172283	53.608	ug/l	99
40) Benzene	6.032	78	392983	53.929	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	90436	54.322	ug/l	95
42) 1,2-Dichloroethane	6.080	62	158808	65.777	ug/l	99
43) Isopropyl Acetate	6.330	43	278555	54.300	ug/l	100
44) Trichloroethene	7.123	130	98083	55.297	ug/l	95
45) 1,2-Dichloropropane	7.428	63	108840	55.502	ug/l	97
46) Dibromomethane	7.574	93	74234	56.764	ug/l	96
47) Bromodichloromethane	7.818	83	147293	56.748	ug/l	97
48) Methyl methacrylate	7.690	41	165596	66.531	ug/l	95
49) 1,4-Dioxane	7.653	88	43131	895.712	ug/l #	98
51) 4-Methyl-2-Pentanone	8.568	43	869107	265.108	ug/l	99
52) Toluene	8.714	92	242097	53.537	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	166210	53.885	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	175172	54.979	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	100085	53.044	ug/l	91
56) Ethyl methacrylate	9.116	69	128780	40.339	ug/l	98
57) 1,3-Dichloropropane	9.305	76	172459	55.266	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	338147	227.374	ug/l	94
59) 2-Hexanone	9.427	43	702093	267.193	ug/l	99
60) Dibromochloromethane	9.519	129	104466	54.451	ug/l	100
61) 1,2-Dibromoethane	9.604	107	106016	53.545	ug/l	99
64) Tetrachloroethene	9.269	164	74420	54.644	ug/l	93
65) Chlorobenzene	10.080	112	255095	54.048	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	93268	54.935	ug/l	99
67) Ethyl Benzene	10.189	91	482391	55.630	ug/l	97
68) m/p-Xylenes	10.299	106	342716	104.480	ug/l	93
69) o-Xylene	10.640	106	168330	51.862	ug/l	95
70) Styrene	10.653	104	248677	45.366	ug/l	96
71) Bromoform	10.799	173	72211	51.020	ug/l #	99
73) Isopropylbenzene	10.957	105	454216	53.636	ug/l	99
74) N-amyl acetate	10.842	43	233632	52.189	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	165330	50.012	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	149505m	55.131	ug/l	
77) Bromobenzene	11.195	156	99542	52.312	ug/l	89
78) n-propylbenzene	11.305	91	564610	54.165	ug/l	97
79) 2-Chlorotoluene	11.360	91	331018	53.509	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	394717	55.434	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	55421	45.331	ug/l	91
82) 4-Chlorotoluene	11.451	91	392160	54.978	ug/l	97
83) tert-Butylbenzene	11.713	119	372150	53.068	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	398864	55.343	ug/l	99
85) sec-Butylbenzene	11.890	105	470117	51.250	ug/l	98
86) p-Isopropyltoluene	12.006	119	400313	54.364	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	193806	52.011	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	194187	50.917	ug/l	98
89) n-Butylbenzene	12.329	91	406256	54.682	ug/l	96
90) Hexachloroethane	12.536	117	74810	50.874	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	183208	51.838	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44848	55.372	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	124955	52.760	ug/l	99
94) Hexachlorobutadiene	13.725	225	48415	57.726	ug/l	98
95) Naphthalene	13.774	128	441670	50.072	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	120623	53.727	ug/l	99

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

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