

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112123\
 Data File : VX038974.D
 Acq On : 21 Nov 2023 11:07
 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 11/22/2023
 Supervised By : Mahesh Dadoda 11/22/2023

Quant Time: Nov 22 03:14:40 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	5.544	168	124921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	224250	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	210611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97879	48.626	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.260%		
35) Dibromofluoromethane	5.379	113	78142	48.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.500%		
50) Toluene-d8	8.647	98	294275	47.490	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.980%		
62) 4-Bromofluorobenzene	11.079	95	117961	47.554	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.100%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	80026	54.903	ug/l	100
3) Chloromethane	1.294	50	84733	44.538	ug/l	98
4) Vinyl Chloride	1.374	62	89603	48.894	ug/l	99
5) Bromomethane	1.599	94	59217	78.154	ug/l	99
6) Chloroethane	1.685	64	53987	51.622	ug/l	97
7) Trichlorofluoromethane	1.886	101	128628	55.312	ug/l	98
8) Diethyl Ether	2.130	74	52157	51.495	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	77509	50.259	ug/l	97
10) Methyl Iodide	2.453	142	88391	47.091	ug/l	94
11) Tert butyl alcohol	2.953	59	135410	241.867	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	74190	47.650	ug/l	93
13) Acrolein	2.233	56	86528	292.129	ug/l	98
14) Allyl chloride	2.660	41	151739	48.676	ug/l	96
15) Acrylonitrile	3.056	53	284788	240.740	ug/l	99
16) Acetone	2.374	43	313950	292.986	ug/l	90
17) Carbon Disulfide	2.508	76	199401	41.345	ug/l	99
18) Methyl Acetate	2.697	43	252838	49.676	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	286363	52.292	ug/l	99
20) Methylene Chloride	2.782	84	89430	46.298	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	81497	47.438	ug/l	96
22) Diisopropyl ether	3.751	45	295268	51.632	ug/l	94
23) Vinyl Acetate	3.715	43	1058989	257.119	ug/l	99
24) 1,1-Dichloroethane	3.605	63	160686	50.246	ug/l	100
25) 2-Butanone	4.544	43	429111	246.947	ug/l	97
26) 2,2-Dichloropropane	4.471	77	145297	52.378	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	99613	49.744	ug/l	95
28) Bromochloromethane	4.891	49	79571	51.824	ug/l	99
29) Tetrahydrofuran	4.989	42	269745	244.485	ug/l	98
30) Chloroform	5.086	83	166241	53.236	ug/l	99
31) Cyclohexane	5.471	56	138718	48.268	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	143945	53.218	ug/l	98
36) 1,1-Dichloropropene	5.690	75	119459	51.463	ug/l	98
37) Ethyl Acetate	4.702	43	155352	51.369	ug/l	98
38) Carbon Tetrachloride	5.672	117	120594	56.212	ug/l	98
39) Methylcyclohexane	7.379	83	147506	48.717	ug/l	96
40) Benzene	6.031	78	351393	51.182	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	79944	50.968	ug/l	93
42) 1,2-Dichloroethane	6.080	62	128902	56.669	ug/l	98
43) Isopropyl Acetate	6.330	43	254380	52.632	ug/l	99
44) Trichloroethene	7.117	130	89952	53.827	ug/l	95
45) 1,2-Dichloropropane	7.428	63	95878	51.894	ug/l	100
46) Dibromomethane	7.574	93	66702	54.137	ug/l	98
47) Bromodichloromethane	7.818	83	130604	53.408	ug/l	93
48) Methyl methacrylate	7.690	41	117300	50.021	ug/l	94
49) 1,4-Dioxane	7.653	88	44897	989.640	ug/l #	93
51) 4-Methyl-2-Pentanone	8.568	43	810111	262.286	ug/l	100
52) Toluene	8.714	92	220721	51.807	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	152222	52.381	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	157385	52.430	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	93744	52.734	ug/l	93
56) Ethyl methacrylate	9.110	69	158064	52.552	ug/l	97
57) 1,3-Dichloropropane	9.305	76	157362	53.524	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	364028	259.807	ug/l	96
59) 2-Hexanone	9.427	43	655375	264.729	ug/l	98
60) Dibromochloromethane	9.519	129	100784	55.758	ug/l	99
61) 1,2-Dibromoethane	9.604	107	99357	53.263	ug/l	100
64) Tetrachloroethene	9.269	164	68760	52.524	ug/l	96
65) Chlorobenzene	10.079	112	237909	52.440	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	86771	53.170	ug/l	97
67) Ethyl Benzene	10.189	91	435485	52.246	ug/l	98
68) m/p-Xylenes	10.299	106	327777	103.956	ug/l	98
69) o-Xylene	10.640	106	161403	51.733	ug/l	97
70) Styrene	10.653	104	274978	52.187	ug/l	98
71) Bromoform	10.799	173	72736	53.464	ug/l #	97
73) Isopropylbenzene	10.963	105	432321	51.395	ug/l	99
74) N-amyl acetate	10.842	43	227347	51.128	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	160499	48.878	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	138044m	51.248	ug/l	
77) Bromobenzene	11.195	156	96567	51.091	ug/l	98
78) n-propylbenzene	11.305	91	526436	50.844	ug/l	98
79) 2-Chlorotoluene	11.360	91	309935	50.439	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	368470	52.097	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	55438	45.651	ug/l	85
82) 4-Chlorotoluene	11.451	91	363652	51.326	ug/l	100
83) tert-Butylbenzene	11.713	119	359009	51.540	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	367177	51.291	ug/l	99
85) sec-Butylbenzene	11.890	105	469475	51.526	ug/l	99
86) p-Isopropyltoluene	12.006	119	382828	52.340	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	191328	51.693	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	192395	50.788	ug/l	98
89) n-Butylbenzene	12.329	91	378359	51.271	ug/l	97
90) Hexachloroethane	12.536	117	74047	50.695	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	183999	52.413	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	40564	50.421	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	122258	51.970	ug/l	97
94) Hexachlorobutadiene	13.725	225	44490	53.405	ug/l	99
95) Naphthalene	13.774	128	440225	50.245	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	117468	52.675	ug/l	99

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

