

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011224\
 Data File : VX039746.D
 Acq On : 12 Jan 2024 18:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/15/2024
 Supervised By : Mahesh Dadoda 01/15/2024

Quant Time: Jan 12 22:43:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	106389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188448	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	168803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80864	45.374	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.740%		
35) Dibromofluoromethane	5.385	113	61480	48.437	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.880%		
50) Toluene-d8	8.647	98	225913	47.191	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.380%		
62) 4-Bromofluorobenzene	11.079	95	87222	46.593	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.180%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	60824	44.187	ug/l	97
3) Chloromethane	1.295	50	67128	42.702	ug/l	99
4) Vinyl Chloride	1.374	62	65921	44.434	ug/l	100
5) Bromomethane	1.593	94	33184	39.202	ug/l	96
6) Chloroethane	1.666	64	33144	39.299	ug/l	94
7) Trichlorofluoromethane	1.874	101	95019	44.399	ug/l	99
8) Diethyl Ether	2.136	74	36265	45.854	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	59973	45.201	ug/l	100
10) Methyl Iodide	2.447	142	71303	50.941	ug/l	93
11) Tert butyl alcohol	2.995	59	96743	208.536	ug/l #	91
12) 1,1-Dichloroethene	2.313	96	58975	46.057	ug/l	95
13) Acrolein	2.233	56	64521	224.565	ug/l	99
14) Allyl chloride	2.660	41	111938	44.416	ug/l	97
15) Acrylonitrile	3.063	53	215113	224.477	ug/l	99
16) Acetone	2.386	43	187654	187.227	ug/l	93
17) Carbon Disulfide	2.508	76	145937	39.653	ug/l	99
18) Methyl Acetate	2.703	43	97658	46.573	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	214298	47.141	ug/l	98
20) Methylene Chloride	2.788	84	68976	45.497	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	61401	45.566	ug/l	97
22) Diisopropyl ether	3.758	45	230324	47.890	ug/l	99
23) Vinyl Acetate	3.721	43	1064275	238.059	ug/l	100
24) 1,1-Dichloroethane	3.605	63	124747	47.148	ug/l	99
25) 2-Butanone	4.556	43	306795	213.001	ug/l	99
26) 2,2-Dichloropropane	4.471	77	93357	43.963	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	72798	47.103	ug/l	97
28) Bromochloromethane	4.898	49	57400	47.860	ug/l	98
29) Tetrahydrofuran	5.001	42	205068	221.200	ug/l	99
30) Chloroform	5.093	83	123465	47.269	ug/l	96
31) Cyclohexane	5.465	56	106295	45.193	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	106178	47.483	ug/l	100
36) 1,1-Dichloropropene	5.690	75	88721	44.906	ug/l	99
37) Ethyl Acetate	4.715	43	116574	44.229	ug/l	98
38) Carbon Tetrachloride	5.672	117	83957	46.397	ug/l	96
39) Methylcyclohexane	7.379	83	108140	45.582	ug/l	97
40) Benzene	6.038	78	270942	48.431	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	61462	47.686	ug/l	94
42) 1,2-Dichloroethane	6.086	62	101692	47.812	ug/l	99
43) Isopropyl Acetate	6.336	43	186592	48.259	ug/l	99
44) Trichloroethene	7.123	130	65638	47.874	ug/l	98
45) 1,2-Dichloropropane	7.428	63	71988	47.968	ug/l	98
46) Dibromomethane	7.580	93	49470	47.725	ug/l	99
47) Bromodichloromethane	7.818	83	90381	47.079	ug/l	99
48) Methyl methacrylate	7.690	41	89811	47.256	ug/l	95
49) 1,4-Dioxane	7.665	88	32901	894.679	ug/l #	100
51) 4-Methyl-2-Pentanone	8.574	43	628649	236.078	ug/l	99
52) Toluene	8.714	92	160541	48.044	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	98276	48.243	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	108074	48.248	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	69298	48.710	ug/l	94
56) Ethyl methacrylate	9.116	69	116532	50.610	ug/l	97
57) 1,3-Dichloropropane	9.305	76	115304	47.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	263036	241.681	ug/l	95
59) 2-Hexanone	9.433	43	496865	235.758	ug/l	100
60) Dibromochloromethane	9.519	129	64345	47.959	ug/l	99
61) 1,2-Dibromoethane	9.610	107	72526	49.228	ug/l	99
64) Tetrachloroethene	9.275	164	51835	47.220	ug/l	98
65) Chlorobenzene	10.080	112	170098	48.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60003	50.122	ug/l	96
67) Ethyl Benzene	10.195	91	317299	48.611	ug/l	100
68) m/p-Xylenes	10.299	106	234649	97.749	ug/l	96
69) o-Xylene	10.640	106	117887	49.589	ug/l	97
70) Styrene	10.653	104	195133	50.248	ug/l	99
71) Bromoform	10.799	173	45832	50.986	ug/l #	100
73) Isopropylbenzene	10.964	105	310093	49.413	ug/l	100
74) N-amyl acetate	10.842	43	172619	52.770	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	119024	49.669	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	98896m	48.395	ug/l	
77) Bromobenzene	11.195	156	70682	50.586	ug/l	99
78) n-propylbenzene	11.305	91	370186	48.738	ug/l	98
79) 2-Chlorotoluene	11.366	91	225670	48.072	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	269921	50.643	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	33067	48.478	ug/l	96
82) 4-Chlorotoluene	11.451	91	257513	48.361	ug/l	99
83) tert-Butylbenzene	11.713	119	260709	51.235	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	271995	51.151	ug/l	100
85) sec-Butylbenzene	11.890	105	336333	50.918	ug/l	98
86) p-Isopropyltoluene	12.006	119	269349	51.020	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	133336	49.782	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	134631	48.668	ug/l	99
89) n-Butylbenzene	12.329	91	244233	47.899	ug/l	97
90) Hexachloroethane	12.536	117	45077	50.613	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	132067	49.875	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28024	47.724	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	78399	48.449	ug/l	98
94) Hexachlorobutadiene	13.725	225	32909	48.923	ug/l	99
95) Naphthalene	13.774	128	305684	51.314	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	80767	49.454	ug/l	99

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

