

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034572.D
 Acq On : 17 Mar 2023 08:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 09:37:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	259736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	466702	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	413824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	195139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	199905	52.904	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.800%			
35) Dibromofluoromethane	5.379	113	142204	46.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.300%			
50) Toluene-d8	8.647	98	490550	42.645	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 85.300%#			
62) 4-Bromofluorobenzene	11.079	95	184222	39.649	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 79.300%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	105814	43.699	ug/l	97
3) Chloromethane	1.301	50	158508	43.032	ug/l	100
4) Vinyl Chloride	1.374	62	151824	46.048	ug/l	98
5) Bromomethane	1.599	94	81692	49.108	ug/l	98
6) Chloroethane	1.679	64	97396	51.306	ug/l	97
7) Trichlorofluoromethane	1.880	101	240761	48.598	ug/l	98
8) Diethyl Ether	2.130	74	96249	53.221	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	126834	43.930	ug/l	99
10) Methyl Iodide	2.447	142	186696	49.253	ug/l	97
11) Tert butyl alcohol	2.953	59	189908	241.345	ug/l	100
12) 1,1-Dichloroethene	2.319	96	127065	44.687	ug/l	99
13) Acrolein	2.233	56	165841	266.415	ug/l	99
14) Allyl chloride	2.660	41	252007	43.716	ug/l	97
15) Acrylonitrile	3.056	53	429390	252.614	ug/l	99
16) Acetone	2.374	43	380086	213.540	ug/l	98
17) Carbon Disulfide	2.508	76	297877	37.226	ug/l	100
18) Methyl Acetate	2.697	43	289344	49.750	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	514310	50.518	ug/l	98
20) Methylene Chloride	2.782	84	158768	45.960	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	139880	46.322	ug/l	98
22) Diisopropyl ether	3.751	45	553968	50.403	ug/l	99
23) Vinyl Acetate	3.715	43	2120891	253.550	ug/l	99
24) 1,1-Dichloroethane	3.605	63	285702	48.357	ug/l	98
25) 2-Butanone	4.544	43	606754	238.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	171795	33.452	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	173351	47.687	ug/l	97
28) Bromochloromethane	4.891	49	137105	49.909	ug/l	99
29) Tetrahydrofuran	4.995	42	395487	251.656	ug/l	99
30) Chloroform	5.087	83	296324	51.166	ug/l	95
31) Cyclohexane	5.465	56	249204	47.025	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	291347	56.827	ug/l	99
36) 1,1-Dichloropropene	5.684	75	223507	47.225	ug/l	98
37) Ethyl Acetate	4.702	43	238299	46.089	ug/l	99
38) Carbon Tetrachloride	5.672	117	241413	51.274	ug/l	98
39) Methylcyclohexane	7.373	83	248094	43.803	ug/l	96
40) Benzene	6.031	78	660990	47.741	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	137660	48.581	ug/l	98
42) 1,2-Dichloroethane	6.080	62	293842	57.748	ug/l	98
43) Isopropyl Acetate	6.330	43	454874	51.931	ug/l	100
44) Trichloroethene	7.117	130	170004	47.258	ug/l	93
45) 1,2-Dichloropropane	7.421	63	182183	50.395	ug/l	98
46) Dibromomethane	7.574	93	129201	52.570	ug/l	98
47) Bromodichloromethane	7.818	83	260767	54.822	ug/l	99
48) Methyl methacrylate	7.690	41	226158	53.685	ug/l	97
49) 1,4-Dioxane	7.653	88	87900	993.422	ug/l	95
51) 4-Methyl-2-Pentanone	8.568	43	1373532	270.314	ug/l	99
52) Toluene	8.714	92	420836	49.096	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	268559	50.116	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	283059	48.823	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	183028	53.803	ug/l	98
56) Ethyl methacrylate	9.110	69	295471	52.901	ug/l	98
57) 1,3-Dichloropropane	9.305	76	312905	51.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	729426	253.407	ug/l	99
59) 2-Hexanone	9.427	43	1028029	261.726	ug/l	100
60) Dibromochloromethane	9.519	129	194026	54.383	ug/l	99
61) 1,2-Dibromoethane	9.610	107	190526	51.902	ug/l	99
64) Tetrachloroethene	9.269	164	136273	49.022	ug/l	93
65) Chlorobenzene	10.080	112	452001	49.782	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	168947	51.089	ug/l	99
67) Ethyl Benzene	10.189	91	806415	49.611	ug/l	97
68) m/p-Xylenes	10.299	106	564185	90.355	ug/l	98
69) o-Xylene	10.640	106	283002	45.163	ug/l	98
70) Styrene	10.653	104	478466	47.327	ug/l	99
71) Bromoform	10.799	173	122077	47.958	ug/l #	99
73) Isopropylbenzene	10.964	105	741638	49.174	ug/l	99
74) N-amyl acetate	10.842	43	389400	53.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	268561	53.363	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	223922m	49.976	ug/l	
77) Bromobenzene	11.195	156	181326	50.111	ug/l	99
78) n-propylbenzene	11.305	91	871283	50.022	ug/l	99
79) 2-Chlorotoluene	11.366	91	534965	49.730	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	635681	50.251	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	70180	42.373	ug/l	93
82) 4-Chlorotoluene	11.451	91	629835	50.831	ug/l	100
83) tert-Butylbenzene	11.713	119	630673	49.447	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	648115	50.131	ug/l	99
85) sec-Butylbenzene	11.890	105	777619	49.870	ug/l	99
86) p-Isopropyltoluene	12.006	119	655619	50.028	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	348540	49.160	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	353129	49.258	ug/l	100
89) n-Butylbenzene	12.335	91	574775	49.336	ug/l	99
90) Hexachloroethane	12.536	117	119142	49.133	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	351451	51.294	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	61078	53.416	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	215141	50.212	ug/l	98
94) Hexachlorobutadiene	13.725	225	82315	47.687	ug/l	98
95) Naphthalene	13.774	128	758075	52.762	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	215120	51.362	ug/l	100

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

