

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010524\
 Data File : VX039650.D
 Acq On : 05 Jan 2024 16:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/08/2024
 Supervised By : Mahesh Dadoda 01/08/2024

Quant Time: Jan 05 22:24:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	102993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184498	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	173943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87583	46.420	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.840%		
35) Dibromofluoromethane	5.373	113	64929	50.941	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.880%		
50) Toluene-d8	8.647	98	242844	51.320	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.640%		
62) 4-Bromofluorobenzene	11.079	95	98728	50.567	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.140%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	62846	43.425	ug/l	98
3) Chloromethane	1.294	50	71349	44.470	ug/l	99
4) Vinyl Chloride	1.374	62	69131	46.329	ug/l	100
5) Bromomethane	1.599	94	40074	46.680	ug/l	98
6) Chloroethane	1.678	64	41275	45.901	ug/l	96
7) Trichlorofluoromethane	1.886	101	103181	47.223	ug/l	100
8) Diethyl Ether	2.130	74	38019	50.275	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	61747	46.310	ug/l	98
10) Methyl Iodide	2.453	142	65993	47.884	ug/l	94
11) Tert butyl alcohol	2.953	59	101333	213.875	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	59301	44.774	ug/l	93
13) Acrolein	2.233	56	88048	232.945	ug/l	100
14) Allyl chloride	2.660	41	119319	44.472	ug/l	97
15) Acrylonitrile	3.056	53	221615	233.682	ug/l	98
16) Acetone	2.373	43	211559	187.230	ug/l	94
17) Carbon Disulfide	2.508	76	150762	38.898	ug/l	99
18) Methyl Acetate	2.697	43	207540	50.856	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	220946	46.127	ug/l	96
20) Methylene Chloride	2.788	84	71361	45.371	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	63086	43.774	ug/l	98
22) Diisopropyl ether	3.751	45	236332	48.389	ug/l	93
23) Vinyl Acetate	3.715	43	845667	232.584	ug/l	99
24) 1,1-Dichloroethane	3.605	63	127193	46.071	ug/l	100
25) 2-Butanone	4.544	43	321896	197.709	ug/l	99
26) 2,2-Dichloropropane	4.471	77	98238	40.758	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	74790	47.017	ug/l	99
28) Bromochloromethane	4.885	49	69282	51.431	ug/l	95
29) Tetrahydrofuran	4.989	42	209282	232.761	ug/l	99
30) Chloroform	5.086	83	127548	46.230	ug/l	97
31) Cyclohexane	5.458	56	109729	45.027	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	109007	45.513	ug/l	98
36) 1,1-Dichloropropene	5.684	75	92896	46.186	ug/l	100
37) Ethyl Acetate	4.702	43	117318	47.211	ug/l	99
38) Carbon Tetrachloride	5.672	117	88799	46.262	ug/l	96
39) Methylcyclohexane	7.373	83	111445	46.127	ug/l	99
40) Benzene	6.031	78	271837	47.778	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	63832	48.144	ug/l	97
42) 1,2-Dichloroethane	6.080	62	107333	46.603	ug/l	100
43) Isopropyl Acetate	6.330	43	191273	47.335	ug/l	99
44) Trichloroethene	7.117	130	66936	46.621	ug/l	96
45) 1,2-Dichloropropane	7.421	63	74746	48.950	ug/l	98
46) Dibromomethane	7.574	93	51388	47.874	ug/l	96
47) Bromodichloromethane	7.818	83	100243	48.842	ug/l	97
48) Methyl methacrylate	7.683	41	115124	48.733	ug/l	97
49) 1,4-Dioxane	7.653	88	34220	1074.630	ug/l #	96
51) 4-Methyl-2-Pentanone	8.567	43	637625	247.657	ug/l	98
52) Toluene	8.714	92	164929	48.027	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	107208	47.447	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	115162	47.367	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	72180	50.347	ug/l	96
56) Ethyl methacrylate	9.110	69	87430	49.956	ug/l	94
57) 1,3-Dichloropropane	9.305	76	121675	49.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	283295	275.667	ug/l	94
59) 2-Hexanone	9.427	43	509241	229.181	ug/l	98
60) Dibromochloromethane	9.519	129	71690	49.445	ug/l	99
61) 1,2-Dibromoethane	9.604	107	76000	49.658	ug/l	99
64) Tetrachloroethene	9.269	164	51598	45.395	ug/l	98
65) Chlorobenzene	10.073	112	177344	46.711	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	65338	48.720	ug/l	99
67) Ethyl Benzene	10.189	91	334417	47.319	ug/l	98
68) m/p-Xylenes	10.299	106	243422	96.065	ug/l	96
69) o-Xylene	10.640	106	116988	47.751	ug/l	94
70) Styrene	10.652	104	177269	49.493	ug/l	97
71) Bromoform	10.799	173	48749	48.904	ug/l #	100
73) Isopropylbenzene	10.957	105	322239	47.166	ug/l	100
74) N-amyl acetate	10.841	43	169502	49.036	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	121768	47.911	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	103424m	45.145	ug/l	
77) Bromobenzene	11.195	156	70782	46.851	ug/l	93
78) n-propylbenzene	11.305	91	399442	47.453	ug/l	97
79) 2-Chlorotoluene	11.360	91	231075	45.383	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	278202	47.800	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	33959	41.816	ug/l	98
82) 4-Chlorotoluene	11.451	91	272171	45.511	ug/l	98
83) tert-Butylbenzene	11.713	119	263137	47.506	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	281255	47.123	ug/l	100
85) sec-Butylbenzene	11.890	105	336127	47.689	ug/l	98
86) p-Isopropyltoluene	12.006	119	284201	48.046	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	137820	46.434	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	140672	45.519	ug/l	98
89) n-Butylbenzene	12.329	91	285366	49.075	ug/l	97
90) Hexachloroethane	12.536	117	51008	47.737	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	133186	46.898	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	30277	45.228	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	88113	47.383	ug/l	97
94) Hexachlorobutadiene	13.725	225	36788	52.495	ug/l	97
95) Naphthalene	13.774	128	314182	48.514	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	86250	48.045	ug/l	100

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

