

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
 Data File : VX033719.D
 Acq On : 13 Jan 2023 13:49
 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 01/16/2023
 Supervised By : Mahesh Dadoda 01/16/2023

Quant Time: Jan 16 05:35:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	184559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270582	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101079	52.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.040%			
35) Dibromofluoromethane	5.385	113	87605	52.141	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.280%			
50) Toluene-d8	8.647	98	312529	51.052	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.100%			
62) 4-Bromofluorobenzene	11.079	95	115270	50.715	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	69725	47.807	ug/l	99
3) Chloromethane	1.301	50	85970	53.365	ug/l	98
4) Vinyl Chloride	1.374	62	85855	54.914	ug/l	98
5) Bromomethane	1.618	94	43197	48.087	ug/l	99
6) Chloroethane	1.691	64	47993	49.652	ug/l	99
7) Trichlorofluoromethane	1.886	101	124418	49.071	ug/l	98
8) Diethyl Ether	2.130	74	40006	48.189	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	76265	52.163	ug/l	97
10) Methyl Iodide	2.453	142	112740	54.996	ug/l	97
11) Tert butyl alcohol	3.014	59	83282m	246.705	ug/l	
12) 1,1-Dichloroethene	2.319	96	75236	50.100	ug/l	97
13) Acrolein	2.245	56	94845	304.509	ug/l	100
14) Allyl chloride	2.666	41	142305	50.242	ug/l	92
15) Acrylonitrile	3.068	53	237497	267.322	ug/l	99
16) Acetone	2.398	43	201589	287.302	ug/l	96
17) Carbon Disulfide	2.514	76	187260	49.299	ug/l	99
18) Methyl Acetate	2.703	43	145182	53.534	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	262827	50.391	ug/l	99
20) Methylene Chloride	2.788	84	88764	52.668	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	83530	47.580	ug/l	99
22) Diisopropyl ether	3.757	45	286637	50.298	ug/l	94
23) Vinyl Acetate	3.721	43	1121139	261.337	ug/l	99
24) 1,1-Dichloroethane	3.605	63	153394	49.198	ug/l	99
25) 2-Butanone	4.562	43	326865	257.438	ug/l	99
26) 2,2-Dichloropropane	4.471	77	98383	44.052	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	98192	48.650	ug/l	98
28) Bromochloromethane	4.897	49	68710	48.380	ug/l	99
29) Tetrahydrofuran	5.013	42	213853	267.238	ug/l	100
30) Chloroform	5.093	83	157446	49.304	ug/l	100
31) Cyclohexane	5.464	56	135142	47.261	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	133762	49.060	ug/l	99
36) 1,1-Dichloropropene	5.690	75	114965	46.884	ug/l	100
37) Ethyl Acetate	4.708	43	130182	55.980	ug/l	100
38) Carbon Tetrachloride	5.672	117	119338	46.989	ug/l	98
39) Methylcyclohexane	7.379	83	135956	44.897	ug/l	100
40) Benzene	6.037	78	345544	48.346	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	75088	55.568	ug/l	98
42) 1,2-Dichloroethane	6.086	62	124118	49.002	ug/l	100
43) Isopropyl Acetate	6.336	43	200892	51.895	ug/l	100
44) Trichloroethene	7.123	130	97309	48.687	ug/l	98
45) 1,2-Dichloropropane	7.427	63	87339	48.780	ug/l	97
46) Dibromomethane	7.580	93	62623	50.074	ug/l	98
47) Bromodichloromethane	7.818	83	121501	50.412	ug/l	99
48) Methyl methacrylate	7.690	41	104582	53.631	ug/l	99
49) 1,4-Dioxane	7.726	88	46870	1086.601	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	639619	269.035	ug/l	100
52) Toluene	8.720	92	223556	48.434	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	122336	50.755	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	137367	50.863	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	92258	50.496	ug/l	97
56) Ethyl methacrylate	9.116	69	139012	54.064	ug/l	98
57) 1,3-Dichloropropane	9.305	76	151017	50.975	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	337929	266.860	ug/l	100
59) 2-Hexanone	9.427	43	465866	281.533	ug/l	99
60) Dibromochloromethane	9.519	129	102206	53.958	ug/l	99
61) 1,2-Dibromoethane	9.610	107	98039	53.768	ug/l	98
64) Tetrachloroethene	9.275	164	87303	50.456	ug/l	97
65) Chlorobenzene	10.079	112	245531	48.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	92675	49.482	ug/l	100
67) Ethyl Benzene	10.195	91	419653	48.028	ug/l	100
68) m/p-Xylenes	10.299	106	333736	97.651	ug/l	99
69) o-Xylene	10.640	106	164669	48.585	ug/l	100
70) Styrene	10.653	104	275829	50.041	ug/l	99
71) Bromoform	10.799	173	77568	49.425	ug/l #	99
73) Isopropylbenzene	10.963	105	422653	50.515	ug/l	100
74) N-amyl acetate	10.841	43	168976	50.582	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	132674	54.512	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	121145m	51.829	ug/l	
77) Bromobenzene	11.195	156	116034	51.435	ug/l	99
78) n-propylbenzene	11.305	91	478572	46.102	ug/l	100
79) 2-Chlorotoluene	11.366	91	283131	50.518	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	351694	45.943	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	36635	48.711	ug/l	100
82) 4-Chlorotoluene	11.451	91	323907	50.494	ug/l	99
83) tert-Butylbenzene	11.713	119	370124	48.696	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	354440	48.948	ug/l	100
85) sec-Butylbenzene	11.890	105	438808	48.268	ug/l	100
86) p-Isopropyltoluene	12.006	119	385103	49.478	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	206764	48.101	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	205892	47.020	ug/l	99
89) n-Butylbenzene	12.335	91	312235	49.036	ug/l	100
90) Hexachloroethane	12.536	117	61047	47.681	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	203576	49.079	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27085	52.175	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	113642	40.673	ug/l	99
94) Hexachlorobutadiene	13.725	225	56288	41.126	ug/l	99
95) Naphthalene	13.774	128	391966	48.762	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	122729	43.898	ug/l	99

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

