

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100923\
 Data File : VX038159.D
 Acq On : 09 Oct 2023 10:12
 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 10/10/2023
 Supervised By : Mahesh Dadoda 10/10/2023

Quant Time: Oct 10 00:50:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	138061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	115155	51.857	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.720%			
35) Dibromofluoromethane	5.379	113	90267	53.882	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.760%			
50) Toluene-d8	8.647	98	334709	52.284	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.560%			
62) 4-Bromofluorobenzene	11.079	95	133588	55.044	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	77456	58.122	ug/l	97
3) Chloromethane	1.294	50	70600	51.979	ug/l	99
4) Vinyl Chloride	1.374	62	77463	51.438	ug/l	96
5) Bromomethane	1.599	94	97444	49.255	ug/l	97
6) Chloroethane	1.685	64	57955	52.385	ug/l	97
7) Trichlorofluoromethane	1.886	101	150954	50.748	ug/l	100
8) Diethyl Ether	2.130	74	56203	50.662	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.325	101	74667	57.500	ug/l	100
10) Methyl Iodide	2.453	142	92232	49.364	ug/l	95
11) Tert butyl alcohol	2.953	59	123251	251.500	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	68145	53.949	ug/l	93
13) Acrolein	2.233	56	88383	279.972	ug/l	98
14) Allyl chloride	2.660	41	123241	54.547	ug/l	95
15) Acrylonitrile	3.056	53	274896	272.024	ug/l	99
16) Acetone	2.373	43	240930	259.966	ug/l	94
17) Carbon Disulfide	2.508	76	186714	51.287	ug/l	99
18) Methyl Acetate	2.697	43	220516	55.485	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	281022	55.861	ug/l	99
20) Methylene Chloride	2.788	84	87662	50.287	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	81912	52.374	ug/l	88
22) Diisopropyl ether	3.757	45	261009	55.121	ug/l #	88
23) Vinyl Acetate	3.715	43	1003342	288.935	ug/l	96
24) 1,1-Dichloroethane	3.605	63	152513	53.072	ug/l	99
25) 2-Butanone	4.544	43	400577	267.886	ug/l	95
26) 2,2-Dichloropropane	4.471	77	131073	58.420	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	100204	53.797	ug/l	92
28) Bromochloromethane	4.891	49	72551	55.926	ug/l	89
29) Tetrahydrofuran	4.995	42	259917	266.978	ug/l	89
30) Chloroform	5.086	83	172432	54.871	ug/l	98
31) Cyclohexane	5.464	56	128864	53.562	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	148811	55.287	ug/l	99
36) 1,1-Dichloropropene	5.690	75	122602	53.070	ug/l	98
37) Ethyl Acetate	4.708	43	151243	55.124	ug/l	96
38) Carbon Tetrachloride	5.672	117	128950	56.740	ug/l	100
39) Methylcyclohexane	7.379	83	151884	56.129	ug/l	94
40) Benzene	6.031	78	357553	55.336	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	77423	56.725	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	141966	54.992	ug/l	99
43) Isopropyl Acetate	6.330	43	235413	57.476	ug/l	96
44) Trichloroethene	7.123	130	95511	56.515	ug/l	96
45) 1,2-Dichloropropane	7.427	63	93627	55.985	ug/l	99
46) Dibromomethane	7.580	93	72470	55.872	ug/l	97
47) Bromodichloromethane	7.818	83	135887	58.892	ug/l	96
48) Methyl methacrylate	7.690	41	112398	57.484	ug/l #	86
49) 1,4-Dioxane	7.653	88	49204	1021.198	ug/l #	90
51) 4-Methyl-2-Pentanone	8.567	43	810026	286.720	ug/l	97
52) Toluene	8.714	92	238328	56.623	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	153941	62.154	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	156519	60.149	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	103294	57.375	ug/l	94
56) Ethyl methacrylate	9.116	69	163276	59.151	ug/l	93
57) 1,3-Dichloropropane	9.305	76	167679	57.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	383091	282.740	ug/l	99
59) 2-Hexanone	9.427	43	661876	291.421	ug/l	95
60) Dibromochloromethane	9.518	129	109603	62.204	ug/l	99
61) 1,2-Dibromoethane	9.610	107	114193	58.654	ug/l	99
64) Tetrachloroethene	9.275	164	80443	53.896	ug/l	97
65) Chlorobenzene	10.079	112	262920	54.497	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	97066	59.498	ug/l	100
67) Ethyl Benzene	10.195	91	476803	55.367	ug/l	100
68) m/p-Xylenes	10.299	106	372238	111.788	ug/l	99
69) o-Xylene	10.640	106	179359	55.189	ug/l	98
70) Styrene	10.652	104	308417	58.274	ug/l	97
71) Bromoform	10.799	173	84627	55.578	ug/l #	99
73) Isopropylbenzene	10.963	105	480889	53.389	ug/l	100
74) N-amyl acetate	10.841	43	218302	56.754	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	181993	55.063	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	153512m	50.276	ug/l	
77) Bromobenzene	11.195	156	116226	52.853	ug/l	94
78) n-propylbenzene	11.305	91	591392	53.696	ug/l	99
79) 2-Chlorotoluene	11.366	91	342059	52.369	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	425914	54.809	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	56083	53.339	ug/l	91
82) 4-Chlorotoluene	11.451	91	410252	53.079	ug/l	97
83) tert-Butylbenzene	11.713	119	411612	54.208	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	429216	55.397	ug/l	99
85) sec-Butylbenzene	11.890	105	543138	55.219	ug/l	100
86) p-Isopropyltoluene	12.006	119	454145	55.962	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	232611	52.664	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	241744	53.610	ug/l	99
89) n-Butylbenzene	12.329	91	444390	54.984	ug/l	97
90) Hexachloroethane	12.536	117	79017	58.726	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	227813	53.658	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44322	55.463	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	148163	52.030	ug/l	97
94) Hexachlorobutadiene	13.725	225	62102	54.184	ug/l	99
95) Naphthalene	13.774	128	522156	52.654	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	145367	52.721	ug/l	98

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

