

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113023\
 Data File : VX039060.D
 Acq On : 30 Nov 2023 11:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2023
 Supervised By : Mahesh Dadoda 12/01/2023

Quant Time: Dec 01 01:54:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	129139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	214569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97922	47.058	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.120%		
35) Dibromofluoromethane	5.379	113	78825	46.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.940%		
50) Toluene-d8	8.647	98	289774	44.653	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.300%#		
62) 4-Bromofluorobenzene	11.079	95	116422	44.816	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.640%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83079	55.136	ug/l	100
3) Chloromethane	1.294	50	99325	50.503	ug/l	100
4) Vinyl Chloride	1.374	62	95742	50.538	ug/l	98
5) Bromomethane	1.599	94	64460	82.295	ug/l	99
6) Chloroethane	1.685	64	58216	53.847	ug/l	99
7) Trichlorofluoromethane	1.886	101	133274	55.438	ug/l	99
8) Diethyl Ether	2.130	74	53271	50.877	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	82403	51.687	ug/l	98
10) Methyl Iodide	2.453	142	91048	46.922	ug/l	92
11) Tert butyl alcohol	2.947	59	132722	229.323	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	81103	50.388	ug/l	88
13) Acrolein	2.233	56	74866	244.501	ug/l	100
14) Allyl chloride	2.660	41	159176	49.394	ug/l	93
15) Acrylonitrile	3.056	53	304319	248.848	ug/l	99
16) Acetone	2.373	43	348374	314.493	ug/l	90
17) Carbon Disulfide	2.508	76	237506	47.637	ug/l	99
18) Methyl Acetate	2.697	43	248267	47.185	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	298998	52.816	ug/l	97
20) Methylene Chloride	2.788	84	97074	48.613	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	90296	50.843	ug/l	97
22) Diisopropyl ether	3.751	45	314489	53.196	ug/l	98
23) Vinyl Acetate	3.715	43	1205719	283.183	ug/l	100
24) 1,1-Dichloroethane	3.605	63	166694	50.422	ug/l	99
25) 2-Butanone	4.544	43	473036	263.334	ug/l	98
26) 2,2-Dichloropropane	4.471	77	144294	50.317	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	105867	51.140	ug/l	95
28) Bromochloromethane	4.891	49	76727	48.339	ug/l	97
29) Tetrahydrofuran	4.989	42	295176	258.796	ug/l	100
30) Chloroform	5.086	83	168053	52.058	ug/l	97
31) Cyclohexane	5.464	56	156320	52.616	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	145750	52.126	ug/l	98
36) 1,1-Dichloropropene	5.684	75	125700	51.709	ug/l	98
37) Ethyl Acetate	4.702	43	167589	52.915	ug/l	99
38) Carbon Tetrachloride	5.672	117	122414	54.486	ug/l	97
39) Methylcyclohexane	7.373	83	164392	51.844	ug/l	97
40) Benzene	6.031	78	379683	52.808	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	85904	52.297	ug/l	94
42) 1,2-Dichloroethane	6.080	62	134559	56.487	ug/l	97
43) Isopropyl Acetate	6.330	43	266677	52.687	ug/l	98
44) Trichloroethene	7.123	130	94970	54.266	ug/l	99
45) 1,2-Dichloropropane	7.421	63	102677	53.066	ug/l	97
46) Dibromomethane	7.574	93	70912	54.957	ug/l	98
47) Bromodichloromethane	7.818	83	134954	52.696	ug/l	98
48) Methyl methacrylate	7.690	41	150457	61.266	ug/l	92
49) 1,4-Dioxane	7.653	88	44392	934.359	ug/l #	97
51) 4-Methyl-2-Pentanone	8.567	43	865940	267.712	ug/l	100
52) Toluene	8.714	92	233587	52.353	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	155294	51.027	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	166561	52.983	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	98164	52.729	ug/l	92
56) Ethyl methacrylate	9.110	69	126121	40.040	ug/l	96
57) 1,3-Dichloropropane	9.305	76	166961	54.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	345027	235.135	ug/l	95
59) 2-Hexanone	9.427	43	708879	273.422	ug/l	97
60) Dibromochloromethane	9.519	129	101019	53.366	ug/l	100
61) 1,2-Dibromoethane	9.604	107	104955	53.726	ug/l	99
64) Tetrachloroethene	9.269	164	74149	55.595	ug/l	95
65) Chlorobenzene	10.079	112	247674	53.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	89960	54.107	ug/l	98
67) Ethyl Benzene	10.189	91	460877	54.272	ug/l	98
68) m/p-Xylenes	10.299	106	343426	106.910	ug/l	98
69) o-Xylene	10.640	106	166465	52.372	ug/l	99
70) Styrene	10.652	104	249177	46.418	ug/l	98
71) Bromoform	10.799	173	72669	52.429	ug/l #	99
73) Isopropylbenzene	10.963	105	442724	51.788	ug/l	99
74) N-amyl acetate	10.841	43	234007	51.783	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	167427	50.171	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	143425m	52.393	ug/l	
77) Bromobenzene	11.195	156	99070	51.575	ug/l	96
78) n-propylbenzene	11.305	91	544738	51.768	ug/l	98
79) 2-Chlorotoluene	11.360	91	314556	50.371	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	381717	53.105	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	56504	45.783	ug/l #	83
82) 4-Chlorotoluene	11.451	91	373624	51.889	ug/l	100
83) tert-Butylbenzene	11.713	119	365700	51.659	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	388616	53.416	ug/l	100
85) sec-Butylbenzene	11.890	105	464722	50.187	ug/l	99
86) p-Isopropyltoluene	12.006	119	392689	52.828	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	192848	51.269	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	193619	50.292	ug/l	99
89) n-Butylbenzene	12.329	91	395567	52.744	ug/l	97
90) Hexachloroethane	12.536	117	74438	50.146	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	183906	51.547	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39708	48.566	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	124305	51.994	ug/l	97
94) Hexachlorobutadiene	13.725	225	47032	55.551	ug/l	96
95) Naphthalene	13.774	128	447438	50.250	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	119361	52.667	ug/l	99

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

