

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020423\
 Data File : VX034007.D
 Acq On : 03 Feb 2023 13:30
 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 02/06/2023
 Supervised By : Mahesh Dadoda 02/06/2023

Quant Time: Feb 03 22:19:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 22:11:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	150078	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	201769	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69399	44.684	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.360%		
35) Dibromofluoromethane	5.385	113	65774	52.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.400%		
50) Toluene-d8	8.647	98	221899	48.598	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.200%		
62) 4-Bromofluorobenzene	11.079	95	84701	50.423	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.840%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	72810	60.702	ug/l	97
3) Chloromethane	1.294	50	66218	51.847	ug/l	95
4) Vinyl Chloride	1.374	62	70996	57.540	ug/l	100
5) Bromomethane	1.611	94	35003	49.001	ug/l	98
6) Chloroethane	1.685	64	39046	50.885	ug/l	99
7) Trichlorofluoromethane	1.886	101	111644	54.780	ug/l	99
8) Diethyl Ether	2.130	74	37306	54.469	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	75196	55.174	ug/l	92
10) Methyl Iodide	2.453	142	103089	57.584	ug/l	93
11) Tert butyl alcohol	2.959	59	61667	236.505	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	70761	55.144	ug/l	89
13) Acrolein	2.233	56	72647	271.659	ug/l	99
14) Allyl chloride	2.660	41	117622	50.340	ug/l	89
15) Acrylonitrile	3.056	53	181513	255.484	ug/l	99
16) Acetone	2.373	43	185203	260.673	ug/l	95
17) Carbon Disulfide	2.514	76	181982	54.440	ug/l	98
18) Methyl Acetate	2.697	43	108998	50.247	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	220308	52.666	ug/l	99
20) Methylene Chloride	2.788	84	76259	50.120	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	76517	53.943	ug/l	95
22) Diisopropyl ether	3.751	45	227428	50.237	ug/l	98
23) Vinyl Acetate	3.715	43	886074	259.646	ug/l	97
24) 1,1-Dichloroethane	3.605	63	130967	52.372	ug/l	98
25) 2-Butanone	4.544	43	254270	252.493	ug/l	96
26) 2,2-Dichloropropane	4.471	77	98866	54.994	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	87655	53.906	ug/l	96
28) Bromochloromethane	4.891	49	43516	38.527	ug/l	90
29) Tetrahydrofuran	4.995	42	157077	247.073	ug/l	96
30) Chloroform	5.086	83	135079	52.615	ug/l	98
31) Cyclohexane	5.470	56	123798	54.290	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	119552	54.487	ug/l	98
36) 1,1-Dichloropropene	5.690	75	101474	55.539	ug/l	97
37) Ethyl Acetate	4.702	43	95286	48.130	ug/l	98
38) Carbon Tetrachloride	5.672	117	111087	58.689	ug/l	100
39) Methylcyclohexane	7.379	83	136275	60.217	ug/l	95
40) Benzene	6.031	78	301351	56.696	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	55916	56.516	ug/l	96
42) 1,2-Dichloroethane	6.080	62	102211	54.623	ug/l	98
43) Isopropyl Acetate	6.330	43	153287	53.756	ug/l	97
44) Trichloroethene	7.123	130	91751	60.922	ug/l	96
45) 1,2-Dichloropropane	7.427	63	75068	56.555	ug/l	99
46) Dibromomethane	7.580	93	54293	58.259	ug/l	96
47) Bromodichloromethane	7.818	83	102638	57.395	ug/l	99
48) Methyl methacrylate	7.690	41	80054	55.856	ug/l	96
49) 1,4-Dioxane	7.671	88	27742	899.082	ug/l #	97
51) 4-Methyl-2-Pentanone	8.567	43	471494	270.451	ug/l	98
52) Toluene	8.714	92	196330	57.279	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	109237	61.138	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	121384	60.490	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	77990	57.244	ug/l	98
56) Ethyl methacrylate	9.116	69	113051	59.242	ug/l	97
57) 1,3-Dichloropropane	9.305	76	126072	57.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	262633	281.621	ug/l	97
59) 2-Hexanone	9.427	43	353194	291.281	ug/l	98
60) Dibromochloromethane	9.518	129	88494	62.512	ug/l	98
61) 1,2-Dibromoethane	9.610	107	83784	61.840	ug/l	98
64) Tetrachloroethene	9.268	164	86386	62.300	ug/l	99
65) Chlorobenzene	10.079	112	215215	58.125	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	82854	60.552	ug/l	99
67) Ethyl Benzene	10.195	91	370575	58.623	ug/l	99
68) m/p-Xylenes	10.299	106	295640	119.233	ug/l	99
69) o-Xylene	10.640	106	144245	58.899	ug/l	99
70) Styrene	10.652	104	238065	59.812	ug/l	100
71) Bromoform	10.799	173	70007	61.278	ug/l #	98
73) Isopropylbenzene	10.963	105	377091	53.439	ug/l	99
74) N-amyl acetate	10.841	43	128645	51.522	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	107128	50.637	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	86862m	48.956	ug/l	
77) Bromobenzene	11.195	156	101894	53.260	ug/l	96
78) n-propylbenzene	11.305	91	423344	53.867	ug/l	99
79) 2-Chlorotoluene	11.366	91	248267	51.914	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	314219	53.913	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31393	54.906	ug/l	97
82) 4-Chlorotoluene	11.451	91	283972	52.307	ug/l	98
83) tert-Butylbenzene	11.713	119	319893	55.584	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	314608	57.287	ug/l	100
85) sec-Butylbenzene	11.890	105	393622	57.162	ug/l	100
86) p-Isopropyltoluene	12.006	119	347880	58.917	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	187217	57.157	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	189672	56.923	ug/l	99
89) n-Butylbenzene	12.329	91	281332	58.564	ug/l	99
90) Hexachloroethane	12.536	117	56228	58.407	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	180737	57.055	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21661	54.873	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	133364	62.283	ug/l	100
94) Hexachlorobutadiene	13.725	225	64703	61.799	ug/l	99
95) Naphthalene	13.774	128	368281	59.946	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	132615	61.791	ug/l	100

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

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