

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042523\
 Data File : VX035297.D
 Acq On : 25 Apr 2023 20:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2023
 Supervised By : Mahesh Dadoda 04/26/2023

Quant Time: Apr 26 01:46:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	240667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	382167	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138362	47.653	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.300%		
35) Dibromofluoromethane	5.385	113	112486	47.956	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.920%		
50) Toluene-d8	8.647	98	419679	47.429	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.860%		
62) 4-Bromofluorobenzene	11.079	95	159696	47.976	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	145184	57.012	ug/l	99
3) Chloromethane	1.294	50	121700	52.534	ug/l	98
4) Vinyl Chloride	1.374	62	129115	55.570	ug/l	99
5) Bromomethane	1.617	94	84284	54.578	ug/l	97
6) Chloroethane	1.691	64	74338	54.705	ug/l	99
7) Trichlorofluoromethane	1.886	101	200423	55.160	ug/l	99
8) Diethyl Ether	2.130	74	72299	54.574	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	132673	54.670	ug/l	95
10) Methyl Iodide	2.453	142	176128	57.506	ug/l	97
11) Tert butyl alcohol	3.026	59	139173	263.251	ug/l #	88
12) 1,1-Dichloroethene	2.319	96	128277	54.879	ug/l	99
13) Acrolein	2.239	56	132239	254.350	ug/l	98
14) Allyl chloride	2.666	41	226666	55.103	ug/l	98
15) Acrylonitrile	3.068	53	362382	274.063	ug/l	99
16) Acetone	2.398	43	294375	233.438	ug/l	99
17) Carbon Disulfide	2.514	76	308302	55.020	ug/l	99
18) Methyl Acetate	2.709	43	287053	58.866	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	455365	56.784	ug/l	97
20) Methylene Chloride	2.788	84	147303	50.943	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	139997	55.146	ug/l	96
22) Diisopropyl ether	3.757	45	450421	55.334	ug/l	95
23) Vinyl Acetate	3.721	43	1591294	284.400	ug/l	99
24) 1,1-Dichloroethane	3.611	63	254978	55.610	ug/l	100
25) 2-Butanone	4.568	43	483043	262.436	ug/l	95
26) 2,2-Dichloropropane	4.477	77	192013	53.454	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	162868	54.578	ug/l	95
28) Bromochloromethane	4.897	49	107476	55.004	ug/l	88
29) Tetrahydrofuran	5.013	42	316429	268.178	ug/l	96
30) Chloroform	5.092	83	259906	56.151	ug/l	97
31) Cyclohexane	5.470	56	228701	55.527	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	229177	56.496	ug/l	97
36) 1,1-Dichloropropene	5.690	75	194397	53.076	ug/l	98
37) Ethyl Acetate	4.714	43	188565	56.369	ug/l	96
38) Carbon Tetrachloride	5.678	117	197293	56.744	ug/l	98
39) Methylcyclohexane	7.379	83	240791	54.010	ug/l	98
40) Benzene	6.037	78	575272	54.753	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	108039m	56.365	ug/l	
42) 1,2-Dichloroethane	6.086	62	207689	55.441	ug/l	98
43) Isopropyl Acetate	6.336	43	317540	56.493	ug/l	96
44) Trichloroethene	7.129	130	159750	55.193	ug/l	96
45) 1,2-Dichloropropane	7.427	63	148408	56.027	ug/l	99
46) Dibromomethane	7.580	93	100951	55.498	ug/l	93
47) Bromodichloromethane	7.824	83	191171	57.041	ug/l	100
48) Methyl methacrylate	7.690	41	158195	57.375	ug/l	93
49) 1,4-Dioxane	7.726	88	68014	1011.993	ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	959571	277.871	ug/l	96
52) Toluene	8.720	92	369370	55.462	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	209484	59.852	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	235767	59.596	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	145026	54.625	ug/l	98
56) Ethyl methacrylate	9.116	69	230010	58.157	ug/l	91
57) 1,3-Dichloropropane	9.305	76	250050	55.064	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	554295	280.292	ug/l	96
59) 2-Hexanone	9.433	43	715124	275.654	ug/l	95
60) Dibromochloromethane	9.518	129	151462	59.543	ug/l	99
61) 1,2-Dibromoethane	9.610	107	155287	56.737	ug/l	99
64) Tetrachloroethene	9.275	164	149749	57.402	ug/l	98
65) Chlorobenzene	10.079	112	393468	53.378	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	147492	57.492	ug/l	99
67) Ethyl Benzene	10.195	91	697816	54.663	ug/l	98
68) m/p-Xylenes	10.299	106	540881	110.574	ug/l	98
69) o-Xylene	10.640	106	266900	55.643	ug/l	98
70) Styrene	10.652	104	443738	57.056	ug/l	97
71) Bromoform	10.799	173	105378	59.054	ug/l #	99
73) Isopropylbenzene	10.963	105	691640	56.138	ug/l	100
74) N-amyl acetate	10.841	43	275548	59.513	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	210311	54.997	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	173165m	51.506	ug/l	
77) Bromobenzene	11.195	156	172106	56.197	ug/l	92
78) n-propylbenzene	11.305	91	793478	56.077	ug/l	99
79) 2-Chlorotoluene	11.366	91	476947	53.942	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	589196	56.717	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	58358	56.219	ug/l	99
82) 4-Chlorotoluene	11.457	91	547210	55.102	ug/l	98
83) tert-Butylbenzene	11.713	119	569582	54.645	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	584601	56.007	ug/l	100
85) sec-Butylbenzene	11.890	105	718268	56.179	ug/l	99
86) p-Isopropyltoluene	12.012	119	615884	56.638	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	321091	55.169	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	322117	52.787	ug/l	98
89) n-Butylbenzene	12.335	91	514405	56.038	ug/l	99
90) Hexachloroethane	12.542	117	98137	58.956	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	315225	54.153	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	45078	58.788	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	209190	57.172	ug/l	98
94) Hexachlorobutadiene	13.725	225	85685	53.358	ug/l	99
95) Naphthalene	13.774	128	666657	59.184	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	205140	55.694	ug/l	99

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

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