

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022224\
 Data File : VX040395.D
 Acq On : 22 Feb 2024 10:11
 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 02/23/2024
 Supervised By : Mahesh Dadoda 02/23/2024

Quant Time: Feb 23 00:04:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	79726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132059	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66314	55.910	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.820%			
35) Dibromofluoromethane	5.385	113	49978	54.193	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.380%			
50) Toluene-d8	8.647	98	174639	50.623	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.079	95	70640	50.208	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	47727	52.996	ug/l	99
3) Chloromethane	1.295	50	45731	49.243	ug/l	94
4) Vinyl Chloride	1.374	62	48324	49.240	ug/l	99
5) Bromomethane	1.599	94	33218	59.981	ug/l	96
6) Chloroethane	1.679	64	30995	50.077	ug/l	100
7) Trichlorofluoromethane	1.886	101	83187	52.782	ug/l	99
8) Diethyl Ether	2.130	74	31601	53.376	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	47291	55.939	ug/l	98
10) Methyl Iodide	2.453	142	54214	57.762	ug/l	94
11) Tert butyl alcohol	2.953	59	65608	283.978	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	42520	52.238	ug/l	97
13) Acrolein	2.233	56	58218	273.011	ug/l	99
14) Allyl chloride	2.660	41	82737	58.572	ug/l	95
15) Acrylonitrile	3.056	53	151959	293.965	ug/l	99
16) Acetone	2.374	43	167718	344.294	ug/l	97
17) Carbon Disulfide	2.508	76	92519	43.054	ug/l	97
18) Methyl Acetate	2.697	43	70844	54.250	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	170748	59.544	ug/l	99
20) Methylene Chloride	2.788	84	52571	57.815	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	46237	49.876	ug/l	97
22) Diisopropyl ether	3.751	45	176942	61.765	ug/l	93
23) Vinyl Acetate	3.715	43	818892	320.654	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98101	58.787	ug/l	99
25) 2-Butanone	4.544	43	222402	292.073	ug/l	97
26) 2,2-Dichloropropane	4.471	77	78361	61.001	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	56528	53.452	ug/l	98
28) Bromochloromethane	4.891	49	41994	59.272	ug/l	100
29) Tetrahydrofuran	4.995	42	138167	278.514	ug/l	99
30) Chloroform	5.087	83	106122	58.819	ug/l	94
31) Cyclohexane	5.471	56	71202	50.329	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	87457	57.620	ug/l	98
36) 1,1-Dichloropropene	5.690	75	71424	55.287	ug/l	99
37) Ethyl Acetate	4.709	43	84528	58.803	ug/l	99
38) Carbon Tetrachloride	5.672	117	70370	57.289	ug/l	98
39) Methylcyclohexane	7.379	83	77361	51.528	ug/l	94
40) Benzene	6.032	78	199447	55.207	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	48726	63.941	ug/l	98
42) 1,2-Dichloroethane	6.080	62	85957	60.872	ug/l	100
43) Isopropyl Acetate	6.330	43	138123	61.553	ug/l	98
44) Trichloroethene	7.123	130	53089	53.274	ug/l	98
45) 1,2-Dichloropropane	7.428	63	57429	61.074	ug/l	95
46) Dibromomethane	7.574	93	40570	58.582	ug/l	99
47) Bromodichloromethane	7.818	83	82857	62.093	ug/l	98
48) Methyl methacrylate	7.684	41	70248	61.181	ug/l	96
49) 1,4-Dioxane	7.653	88	23364	935.355	ug/l #	96
51) 4-Methyl-2-Pentanone	8.568	43	461677	301.344	ug/l	98
52) Toluene	8.714	92	125832	53.175	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	85338	53.654	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	90105	60.251	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	57875	57.342	ug/l	96
56) Ethyl methacrylate	9.116	69	88521	58.586	ug/l	95
57) 1,3-Dichloropropane	9.305	76	94594	57.421	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	200289	280.216	ug/l	96
59) 2-Hexanone	9.427	43	365734	301.092	ug/l	99
60) Dibromochloromethane	9.519	129	60220	58.564	ug/l	98
61) 1,2-Dibromoethane	9.610	107	58827	54.834	ug/l	100
64) Tetrachloroethene	9.269	164	43832	50.556	ug/l	98
65) Chlorobenzene	10.080	112	142281	55.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53606	59.943	ug/l	99
67) Ethyl Benzene	10.189	91	264810	57.583	ug/l	97
68) m/p-Xylenes	10.299	106	194806	112.162	ug/l	97
69) o-Xylene	10.640	106	95618	56.653	ug/l	95
70) Styrene	10.653	104	163729	58.348	ug/l	99
71) Bromoform	10.799	173	44272	52.620	ug/l #	99
73) Isopropylbenzene	10.964	105	263332	57.213	ug/l	99
74) N-amyl acetate	10.842	43	128155	64.958	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	97121	58.733	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80896m	61.131	ug/l	
77) Bromobenzene	11.195	156	60465	55.621	ug/l	99
78) n-propylbenzene	11.305	91	322426	57.862	ug/l	98
79) 2-Chlorotoluene	11.360	91	188029	55.880	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	223081	57.571	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	24876	52.589	ug/l	99
82) 4-Chlorotoluene	11.451	91	224685	56.357	ug/l	100
83) tert-Butylbenzene	11.713	119	216980	57.116	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	226264	57.717	ug/l	99
85) sec-Butylbenzene	11.890	105	282369	57.836	ug/l	100
86) p-Isopropyltoluene	12.006	119	232519	58.100	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	119666	55.557	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	124302	54.499	ug/l	99
89) n-Butylbenzene	12.329	91	227672	58.933	ug/l	97
90) Hexachloroethane	12.536	117	37888	60.019	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	118737	56.944	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22301	58.432	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	81605	57.165	ug/l	96
94) Hexachlorobutadiene	13.725	225	32886	57.721	ug/l	97
95) Naphthalene	13.774	128	259945	57.654	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	78785	57.899	ug/l	97

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

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