

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011723\
 Data File : VX033764.D
 Acq On : 17 Jan 2023 17:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/18/2023
 Supervised By : Mahesh Dadoda 01/18/2023

Quant Time: Jan 18 04:07:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	187573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	266598	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	90578	45.863	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.720%		
35) Dibromofluoromethane	5.379	113	81318	49.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.240%		
50) Toluene-d8	8.647	98	298916	49.558	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.120%		
62) 4-Bromofluorobenzene	11.079	95	111968	49.999	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72167	48.686	ug/l	99
3) Chloromethane	1.294	50	84707	51.736	ug/l	98
4) Vinyl Chloride	1.374	62	86535	54.459	ug/l	98
5) Bromomethane	1.617	94	53984	59.130	ug/l	98
6) Chloroethane	1.691	64	48590	49.462	ug/l	100
7) Trichlorofluoromethane	1.886	101	129508	50.258	ug/l	99
8) Diethyl Ether	2.130	74	48923	57.983	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	81416	54.755	ug/l	95
10) Methyl Iodide	2.453	142	118080	56.675	ug/l	94
11) Tert butyl alcohol	3.014	59	74889m	218.278	ug/l	
12) 1,1-Dichloroethene	2.318	96	78343	51.331	ug/l	91
13) Acrolein	2.239	56	91679	289.614	ug/l	100
14) Allyl chloride	2.666	41	141232	49.062	ug/l	90
15) Acrylonitrile	3.068	53	218459	241.942	ug/l	100
16) Acetone	2.392	43	203787	285.699	ug/l	93
17) Carbon Disulfide	2.514	76	183005	47.475	ug/l	99
18) Methyl Acetate	2.703	43	133690	48.504	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	266756	50.323	ug/l	98
20) Methylene Chloride	2.788	84	88711	51.747	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	85379	47.852	ug/l	96
22) Diisopropyl ether	3.751	45	285301	49.259	ug/l	96
23) Vinyl Acetate	3.715	43	1077235	247.068	ug/l	99
24) 1,1-Dichloroethane	3.605	63	152700	48.189	ug/l	99
25) 2-Butanone	4.562	43	303710	235.358	ug/l	97
26) 2,2-Dichloropropane	4.471	77	107301	47.273	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	99670	48.589	ug/l	98
28) Bromochloromethane	4.891	49	67398	46.694	ug/l	96
29) Tetrahydrofuran	5.007	42	191595	235.576	ug/l	99
30) Chloroform	5.086	83	154422	47.580	ug/l	99
31) Cyclohexane	5.464	56	139368	47.956	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	133146	48.050	ug/l	98
36) 1,1-Dichloropropene	5.690	75	117044	48.445	ug/l	99
37) Ethyl Acetate	4.708	43	119588	51.988	ug/l	99
38) Carbon Tetrachloride	5.672	117	119092	47.593	ug/l	98
39) Methylcyclohexane	7.379	83	147043	49.283	ug/l	97
40) Benzene	6.031	78	346819	49.249	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	68545	51.484	ug/l	99
42) 1,2-Dichloroethane	6.080	62	119759	47.987	ug/l	99
43) Isopropyl Acetate	6.330	43	190082	49.836	ug/l	98
44) Trichloroethene	7.123	130	101495	51.540	ug/l	98
45) 1,2-Dichloropropane	7.427	63	89337	50.642	ug/l	99
46) Dibromomethane	7.580	93	60993	49.499	ug/l	98
47) Bromodichloromethane	7.817	83	117495	49.479	ug/l	96
48) Methyl methacrylate	7.689	41	96962	50.466	ug/l	98
49) 1,4-Dioxane	7.726	88	41120	967.543	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	585111	249.786	ug/l	99
52) Toluene	8.714	92	228254	50.191	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	122795	51.707	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	138862	52.184	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	90450	50.246	ug/l	98
56) Ethyl methacrylate	9.116	69	134909	53.252	ug/l	98
57) 1,3-Dichloropropane	9.305	76	153246	52.500	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	315030	252.495	ug/l	99
59) 2-Hexanone	9.427	43	458311	281.106	ug/l	98
60) Dibromochloromethane	9.518	129	99474	53.301	ug/l	99
61) 1,2-Dibromoethane	9.604	107	95683	53.260	ug/l	99
64) Tetrachloroethene	9.268	164	91775	57.120	ug/l	99
65) Chlorobenzene	10.079	112	241472	50.919	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	91548	52.455	ug/l	99
67) Ethyl Benzene	10.189	91	433151	53.198	ug/l	99
68) m/p-Xylenes	10.299	106	340012	106.763	ug/l	98
69) o-Xylene	10.640	106	166005	52.561	ug/l	97
70) Styrene	10.652	104	278823	54.283	ug/l	98
71) Bromoform	10.799	173	72468	49.552	ug/l #	98
73) Isopropylbenzene	10.963	105	448087	54.691	ug/l	100
74) N-amyl acetate	10.841	43	170683	51.979	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	128873	53.825	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	106024m	46.146	ug/l	
77) Bromobenzene	11.195	156	115292	52.018	ug/l	97
78) n-propylbenzene	11.305	91	509905	49.971	ug/l	100
79) 2-Chlorotoluene	11.366	91	297541	54.229	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	372225	49.468	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35419	47.911	ug/l	95
82) 4-Chlorotoluene	11.451	91	345726	55.102	ug/l	99
83) tert-Butylbenzene	11.713	119	378262	50.629	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	368969	51.838	ug/l	99
85) sec-Butylbenzene	11.890	105	463844	51.906	ug/l	100
86) p-Isopropyltoluene	12.006	119	404407	52.859	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	213983	50.644	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	215388	50.041	ug/l	99
89) n-Butylbenzene	12.335	91	343141	54.824	ug/l	99
90) Hexachloroethane	12.536	117	62579	49.725	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	209585	51.403	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26572	52.074	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	150442	54.777	ug/l	99
94) Hexachlorobutadiene	13.725	225	67931	50.494	ug/l	100
95) Naphthalene	13.774	128	432199	54.699	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	146210	53.203	ug/l	100

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

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