

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041723\
 Data File : VN077364.D
 Acq On : 17 Apr 2023 18:09
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2023
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 04:42:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	508230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	961970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	913580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	402741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	359177	51.709	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.420%			
35) Dibromofluoromethane	8.172	113	320274	52.007	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	10.572	98	1279679	51.619	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.240%			
62) 4-Bromofluorobenzene	12.854	95	448801	54.432	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	280134	43.185	ug/l	100
3) Chloromethane	2.372	50	276360	34.379	ug/l	98
4) Vinyl Chloride	2.525	62	404039	37.071	ug/l	99
5) Bromomethane	2.943	94	301459	38.152	ug/l	93
6) Chloroethane	3.119	64	267454	34.385	ug/l	99
7) Trichlorofluoromethane	3.501	101	465918	49.301	ug/l	94
8) Diethyl Ether	3.972	74	180468	45.570	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.378	101	277101	47.911	ug/l	99
10) Methyl Iodide	4.601	142	346466	49.257	ug/l	92
11) Tert butyl alcohol	5.531	59	270573	190.898	ug/l	99
12) 1,1-Dichloroethene	4.343	96	271073	45.531	ug/l	94
13) Acrolein	4.190	56	245111	182.593	ug/l	98
14) Allyl chloride	5.031	41	333555	37.095	ug/l	91
15) Acrylonitrile	5.725	53	660663	210.841	ug/l	99
16) Acetone	4.437	43	509204	198.824	ug/l	94
17) Carbon Disulfide	4.725	76	660738	41.156	ug/l	99
18) Methyl Acetate	5.037	43	413129	42.355	ug/l	96
19) Methyl tert-butyl Ether	5.807	73	978138	46.302	ug/l	98
20) Methylene Chloride	5.290	84	308907	42.708	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	301249	46.214	ug/l	97
22) Diisopropyl ether	6.684	45	794999	44.100	ug/l	98
23) Vinyl Acetate	6.607	43	3010248m	246.963	ug/l	
24) 1,1-Dichloroethane	6.578	63	530281	45.553	ug/l	98
25) 2-Butanone	7.489	43	848527	204.142	ug/l	98
26) 2,2-Dichloropropane	7.495	77	520712	48.781	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	375852	47.216	ug/l	98
28) Bromochloromethane	7.819	49	215294	45.977	ug/l	92
29) Tetrahydrofuran	7.842	42	538659	201.599	ug/l	94
30) Chloroform	7.972	83	594937	47.925	ug/l	98
31) Cyclohexane	8.260	56	445370	41.263	ug/l	94
32) 1,1,1-Trichloroethane	8.172	97	545121	48.284	ug/l	97
36) 1,1-Dichloropropene	8.378	75	429624	47.170	ug/l	98
37) Ethyl Acetate	7.566	43	345524	42.400	ug/l	99
38) Carbon Tetrachloride	8.366	117	478508	51.279	ug/l	97
39) Methylcyclohexane	9.607	83	574530	46.780	ug/l	96
40) Benzene	8.607	78	1310641	46.134	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041723\
 Data File : VN077364.D
 Acq On : 17 Apr 2023 18:09
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2023
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 04:42:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	173653	39.644	ug/l	92
42) 1,2-Dichloroethane	8.672	62	434016	49.638	ug/l	99
43) Isopropyl Acetate	8.689	43	621532	41.334	ug/l	97
44) Trichloroethene	9.354	130	339732	49.979	ug/l	97
45) 1,2-Dichloropropane	9.625	63	321255	47.614	ug/l	100
46) Dibromomethane	9.713	93	253484	49.864	ug/l	99
47) Bromodichloromethane	9.889	83	504334	49.636	ug/l	96
48) Methyl methacrylate	9.683	41	279243	43.532	ug/l	96
49) 1,4-Dioxane	9.695	88	140765	905.128	ug/l	93
51) 4-Methyl-2-Pentanone	10.448	43	1867581	214.869	ug/l	99
52) Toluene	10.630	92	906702	48.760	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	549210	49.777	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	571693	48.645	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	360621	49.404	ug/l	97
56) Ethyl methacrylate	10.877	69	534800	47.039	ug/l	98
57) 1,3-Dichloropropane	11.166	76	589460	48.880	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	848690	250.763	ug/l	96
59) 2-Hexanone	11.195	43	1361534	210.265	ug/l	99
60) Dibromochloromethane	11.360	129	394003	52.409	ug/l	98
61) 1,2-Dibromoethane	11.471	107	371981	51.056	ug/l	100
64) Tetrachloroethene	11.107	164	266219	47.171	ug/l	96
65) Chlorobenzene	11.895	112	978076	48.628	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	357744	47.007	ug/l	98
67) Ethyl Benzene	11.966	91	1758129	47.369	ug/l	99
68) m/p-Xylenes	12.071	106	1378494	94.524	ug/l	100
69) o-Xylene	12.401	106	697100	48.453	ug/l	97
70) Styrene	12.413	104	1127079	48.681	ug/l	100
71) Bromoform	12.577	173	260160	48.563	ug/l #	100
73) Isopropylbenzene	12.701	105	1806025	46.169	ug/l	100
74) N-amyl acetate	12.495	43	563838	38.034	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	536498	43.703	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	451085m	47.035	ug/l	
77) Bromobenzene	12.983	156	377746	47.492	ug/l	92
78) n-propylbenzene	13.036	91	2033273	47.042	ug/l	100
79) 2-Chlorotoluene	13.130	91	1192457	45.819	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1504361	48.149	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	173866	40.797	ug/l	97
82) 4-Chlorotoluene	13.224	91	1143741	46.611	ug/l	98
83) tert-Butylbenzene	13.442	119	1286199	46.249	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1474834	47.781	ug/l	100
85) sec-Butylbenzene	13.618	105	1858299	47.947	ug/l	100
86) p-Isopropyltoluene	13.730	119	1515827	49.764	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	713304	48.474	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	698857	48.159	ug/l	99
89) n-Butylbenzene	14.060	91	1252509	49.532	ug/l	99
90) Hexachloroethane	14.336	117	309629	46.491	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	692960	47.073	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	100184	43.062	ug/l	98
93) 1,2,4-Trichlorobenzene	15.371	180	264800	49.830	ug/l	98
94) Hexachlorobutadiene	15.465	225	140518	45.681	ug/l	98
95) Naphthalene	15.589	128	1006285	50.408	ug/l	99
96) 1,2,3-Trichlorobenzene	15.759	180	241548	47.521	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041723\
Data File : VN077364.D
Acq On : 17 Apr 2023 18:09
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 04:42:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

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

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

