

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074427.D
 Acq On : 13 Sep 2022 12:33
 Operator : JC\MD
 Sample : VN0913WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2022
 Supervised By : Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 17:14:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	165942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	318643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	295401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	134329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	177645	61.875	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.740%			
35) Dibromofluoromethane	7.951	113	125872	58.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.020%			
50) Toluene-d8	10.380	98	466418	55.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.300%			
62) 4-Bromofluorobenzene	12.674	95	161462	53.057	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	45298	21.064	ug/l	92
3) Chloromethane	2.263	50	64340	24.244	ug/l	100
4) Vinyl Chloride	2.405	62	92269	25.682	ug/l	93
5) Bromomethane	2.781	94	74263	29.580	ug/l	99
6) Chloroethane	2.946	64	71653m	30.544	ug/l	
7) Trichlorofluoromethane	3.299	101	159490	44.959	ug/l	96
8) Diethyl Ether	3.757	74	33817	22.592	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.140	101	48415	22.775	ug/l	96
10) Methyl Iodide	4.340	142	52571	21.393	ug/l	96
11) Tert butyl alcohol	5.293	59	92486	123.157	ug/l	97
12) 1,1-Dichloroethene	4.104	96	43460	21.009	ug/l	91
13) Acrolein	3.975	56	62267	124.826	ug/l	95
14) Allyl chloride	4.763	41	96329	21.230	ug/l	98
15) Acrylonitrile	5.469	53	210145	122.314	ug/l	99
16) Acetone	4.216	43	192973	124.499	ug/l	97
17) Carbon Disulfide	4.446	76	115875	20.611	ug/l #	93
18) Methyl Acetate	4.781	43	110908	24.273	ug/l	99
19) Methyl tert-butyl Ether	5.522	73	181234	21.767	ug/l	99
20) Methylene Chloride	5.004	84	56339	23.990	ug/l	98
21) trans-1,2-Dichloroethene	5.510	96	46844	20.209	ug/l	94
22) Diisopropyl ether	6.410	45	199780	21.867	ug/l	91
23) Vinyl Acetate	6.351	43	920670	112.918	ug/l	99
24) 1,1-Dichloroethane	6.304	63	104944	22.355	ug/l	95
25) 2-Butanone	7.257	43	325096	124.947	ug/l	95
26) 2,2-Dichloropropane	7.245	77	85105	20.040	ug/l	98
27) cis-1,2-Dichloroethene	7.239	96	56750	19.872	ug/l	96
28) Bromochloromethane	7.587	49	32552	22.644	ug/l	96
29) Tetrahydrofuran	7.610	42	211240	122.818	ug/l	98
30) Chloroform	7.745	83	102759	21.930	ug/l	97
31) Cyclohexane	8.028	56	95282	20.867	ug/l	97
32) 1,1,1-Trichloroethane	7.939	97	89355	21.257	ug/l	96
36) 1,1-Dichloropropene	8.151	75	69652	19.654	ug/l	96
37) Ethyl Acetate	7.334	43	125512	24.415	ug/l	98
38) Carbon Tetrachloride	8.134	117	74212	20.284	ug/l	92
39) Methylcyclohexane	9.398	83	88469	19.697	ug/l	97
40) Benzene	8.386	78	226356	20.861	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074427.D
 Acq On : 13 Sep 2022 12:33
 Operator : JC\MD
 Sample : VN0913WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2022
 Supervised By : Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 17:14:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	61073	23.942	ug/l	97
42) 1,2-Dichloroethane	8.463	62	88466	21.327	ug/l	100
43) Isopropyl Acetate	8.492	43	179060	21.298	ug/l	99
44) Trichloroethene	9.151	130	49092	20.181	ug/l	93
45) 1,2-Dichloropropane	9.433	63	60381	20.963	ug/l	96
46) Dibromomethane	9.516	93	40695	20.634	ug/l	96
47) Bromodichloromethane	9.698	83	85584	21.771	ug/l	99
48) Methyl methacrylate	9.498	41	80832	21.816	ug/l	94
49) 1,4-Dioxane	9.510	88	36486	467.284	ug/l	93
51) 4-Methyl-2-Pentanone	10.275	43	640138	116.429	ug/l	99
52) Toluene	10.445	92	141911	21.148	ug/l	98
53) t-1,3-Dichloropropene	10.663	75	85812	19.788	ug/l	96
54) cis-1,3-Dichloropropene	10.128	75	92043	19.909	ug/l	92
55) 1,1,2-Trichloroethane	10.845	97	57124	20.652	ug/l	96
56) Ethyl methacrylate	10.704	69	97535	20.753	ug/l #	85
57) 1,3-Dichloropropane	10.986	76	108825	22.509	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.980	63	223996	102.456	ug/l	98
59) 2-Hexanone	11.027	43	522916	123.246	ug/l	96
60) Dibromochloromethane	11.180	129	58719	20.968	ug/l	99
61) 1,2-Dibromoethane	11.286	107	59853	21.033	ug/l	98
64) Tetrachloroethene	10.916	164	38516	19.233	ug/l	89
65) Chlorobenzene	11.716	112	143768	20.184	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.786	131	52524	18.877	ug/l	97
67) Ethyl Benzene	11.786	91	271228	20.160	ug/l	97
68) m/p-Xylenes	11.892	106	205568	40.645	ug/l	99
69) o-Xylene	12.222	106	102607	20.183	ug/l	97
70) Styrene	12.239	104	171817	21.258	ug/l	99
71) Bromoform	12.404	173	41411	19.870	ug/l #	98
73) Isopropylbenzene	12.521	105	263839	20.443	ug/l	99
74) N-amyl acetate	12.333	43	160375	23.634	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.769	83	106097	21.875	ug/l	98
76) 1,2,3-Trichloropropane	12.827	75	71038m	20.230	ug/l	
77) Bromobenzene	12.798	156	56425	20.366	ug/l	96
78) n-propylbenzene	12.863	91	311150	21.045	ug/l	98
79) 2-Chlorotoluene	12.951	91	193091	21.421	ug/l	95
80) 1,3,5-Trimethylbenzene	13.004	105	217518	20.315	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.569	75	28714	18.226	ug/l #	83
82) 4-Chlorotoluene	13.051	91	170021	19.548	ug/l	99
83) tert-Butylbenzene	13.269	119	192116	19.930	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	222894	21.003	ug/l	99
85) sec-Butylbenzene	13.445	105	271681	20.710	ug/l	99
86) p-Isopropyltoluene	13.563	119	213918	20.373	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	103975	20.298	ug/l	97
88) 1,4-Dichlorobenzene	13.639	146	100806	19.481	ug/l	99
89) n-Butylbenzene	13.886	91	186040	20.821	ug/l	99
90) Hexachloroethane	14.157	117	42796	19.293	ug/l	91
91) 1,2-Dichlorobenzene	13.927	146	105797	19.639	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	25191	22.133	ug/l	94
93) 1,2,4-Trichlorobenzene	15.198	180	48264	17.979	ug/l	97
94) Hexachlorobutadiene	15.310	225	21424	17.608	ug/l	96
95) Naphthalene	15.439	128	207174	19.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	50174	18.062	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074427.D
 Acq On : 13 Sep 2022 12:33
 Operator : JC\MD
 Sample : VN0913WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 VN0913WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2022
 Supervised By :Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 17:14:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

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

