

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061427.D
 Acq On : 18 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:25:25 PM

Quant Time: May 18 13:13:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	256340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178176	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	21135	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	
35) Dibromofluoromethane	7.55	113	14301	6.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.16%	
50) Toluene-d8	10.06	98	57477	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.38	95	20290	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	11327	5.462	ug/l	100
3) Chloromethane	2.03	50	20511	5.064	ug/l	99
4) Vinyl Chloride	2.16	62	29716	4.789	ug/l	99
5) Bromomethane	2.54	94	17573	5.226	ug/l	90
6) Chloroethane	2.67	64	20120	4.571	ug/l	100
7) Trichlorofluoromethane	2.98	101	35202	4.622	ug/l	96
8) Diethyl Ether	3.37	74	10415	6.067	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14741	6.076	ug/l	98
10) Methyl Iodide	3.91	142	17210	5.699	ug/l	99
11) Tert butyl alcohol	4.73	59	13286	44.776	ug/l #	79
12) 1,1-Dichloroethene	3.69	96	14983	5.766	ug/l	96
13) Acrolein	3.57	56	12577	37.439	ug/l	95
14) Allyl chloride	4.27	41	25085	5.446	ug/l	96
15) Acrylonitrile	4.93	53	39049	30.812	ug/l	98
16) Acetone	3.77	43	32123	32.350	ug/l	100
17) Carbon Disulfide	4.01	76	42396	6.340	ug/l	96
18) Methyl Acetate	4.28	43	16738	5.760	ug/l #	72
19) Methyl tert-butyl Ether	4.99	73	58852	5.785	ug/l	99
20) Methylene Chloride	4.50	84	18022	5.750	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	17246	5.488	ug/l	95
22) Diisopropyl ether	5.90	45	56436	5.507	ug/l	94
23) Vinyl Acetate	5.84	43	225090	26.984	ug/l	98
24) 1,1-Dichloroethane	5.80	63	33014	5.641	ug/l	99
25) 2-Butanone	6.79	43	52200	31.757	ug/l	97
26) 2,2-Dichloropropane	6.77	77	31513	6.288	ug/l	80
27) cis-1,2-Dichloroethene	6.78	96	20661	5.662	ug/l	99
28) Bromochloromethane	7.15	49	12263	4.772	ug/l #	95
29) Tetrahydrofuran	7.17	42	34381	30.812	ug/l	96
30) Chloroform	7.33	83	33804	5.503	ug/l	96
31) Cyclohexane	7.62	56	35105	6.110	ug/l #	86
32) 1,1,1-Trichloroethane	7.53	97	30557	5.589	ug/l	97
36) 1,1-Dichloropropene	7.75	75	24240	5.194	ug/l	98
37) Ethyl Acetate	6.88	43	21966	5.646	ug/l	97
38) Carbon Tetrachloride	7.73	117	21712	5.427	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	29396	5.293	ug/l	95
40) Benzene	8.00	78	75411	5.490	ug/l	98
41) Methacrylonitrile	7.13	41	8305m	4.600	ug/l	
42) 1,2-Dichloroethane	8.08	62	27135	5.496	ug/l	98
43) Isopropyl Acetate	8.12	43	40477	5.411	ug/l #	90
44) Trichloroethene	8.80	130	19669	5.542	ug/l	98
45) 1,2-Dichloropropane	9.08	63	19244	5.562	ug/l	98
46) Dibromomethane	9.17	93	13121	5.640	ug/l	98
47) Bromodichloromethane	9.37	83	27534	5.451	ug/l	98
48) Methyl methacrylate	9.17	41	18582	5.490	ug/l	94
49) 1,4-Dioxane	9.17	88	4353	198.264	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	111687	27.728	ug/l	98
52) Toluene	10.12	92	47196	5.413	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	30164	5.461	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	31611	5.426	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	18699	5.765	ug/l	97
56) Ethyl methacrylate	10.40	69	27081	5.106	ug/l	95
57) 1,3-Dichloropropane	10.68	76	31361	5.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	53930	24.074	ug/l	98
59) 2-Hexanone	10.72	43	78061	28.290	ug/l	97
60) Dibromochloromethane	10.87	129	19145	5.309	ug/l	98
61) 1,2-Dibromoethane	10.98	107	18449	5.407	ug/l	97
64) Tetrachloroethene	10.60	164	18160	5.407	ug/l	95
65) Chlorobenzene	11.41	112	48955	5.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	17341	5.518	ug/l	96
67) Ethyl Benzene	11.48	91	90928	5.513	ug/l	100
68) m/p-Xylenes	11.59	106	65327	10.544	ug/l	96
69) o-Xylene	11.92	106	31791	5.290	ug/l	97
70) Styrene	11.94	104	50352	4.990	ug/l	98
71) Bromoform	12.10	173	11448	5.172	ug/l #	99
73) Isopropylbenzene	12.22	105	88033	6.070	ug/l	98
74) N-amyl acetate	12.05	43	32895	5.800	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	25188	6.093	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	24671m	6.630	ug/l	
77) Bromobenzene	12.50	156	17785	5.603	ug/l	89
78) n-propylbenzene	12.57	91	98028	5.799	ug/l	100
79) 2-Chlorotoluene	12.65	91	58248	5.877	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	69429	5.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	8289	5.825	ug/l	99
82) 4-Chlorotoluene	12.75	91	57298	5.502	ug/l	99
83) tert-Butylbenzene	12.97	119	60219	5.816	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	67260	5.554	ug/l	99
85) sec-Butylbenzene	13.15	105	81667	5.844	ug/l	98
86) p-Isopropyltoluene	13.26	119	70076	5.776	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	32990	5.732	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	31933	5.402	ug/l	92
89) n-Butylbenzene	13.59	91	61094	5.550	ug/l	99
90) Hexachloroethane	13.85	117	9006	5.388	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	30953	5.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	4763	5.993	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	15573	5.162	ug/l	97
94) Hexachlorobutadiene	14.98	225	7331	6.310	ug/l	96
95) Naphthalene	15.10	128	47592	4.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	15411	5.111	ug/l	99

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

