

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057438.D
 Acq On : 22 Aug 2019 17:26
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:01 PM

Quant Time: Aug 23 04:32:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	704959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	579346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152871	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	34301	7.14	ug/l	0.00
Spiked Amount			Recovery	=	14.28%	
35) Dibromofluoromethane	7.58	113	25614	5.50	ug/l	0.00
Spiked Amount			Recovery	=	11.00%	
50) Toluene-d8	10.08	98	81951	4.76	ug/l	0.00
Spiked Amount			Recovery	=	9.52%	
62) 4-Bromofluorobenzene	12.40	95	28282	4.67	ug/l	0.00
Spiked Amount			Recovery	=	9.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	20055	5.571	ug/l	89
3) Chloromethane	2.05	50	32491	7.428	ug/l	100
4) Vinyl Chloride	2.17	62	39470	8.913	ug/l	94
5) Bromomethane	2.54	94	28528	9.359	ug/l	97
6) Chloroethane	2.68	64	27079	9.158	ug/l	95
7) Trichlorofluoromethane	3.00	101	64540	9.430	ug/l	94
8) Diethyl Ether	3.39	74	25766	10.080	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	36392	9.305	ug/l	95
10) Methyl Iodide	3.92	142	24594	4.546	ug/l	97
11) Tert butyl alcohol	4.79	59	22677	35.146	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	37549	9.640	ug/l	95
13) Acrolein	3.58	56	20996	47.229	ug/l	99
14) Allyl chloride	4.29	41	48749	8.061	ug/l	98
15) Acrylonitrile	4.97	53	60584	34.837	ug/l	96
16) Acetone	3.79	43	76717	48.611	ug/l #	88
17) Carbon Disulfide	4.02	76	64903	6.706	ug/l	98
18) Methyl Acetate	4.30	43	37369	5.843	ug/l #	81
19) Methyl tert-butyl Ether	5.03	73	82597	7.200	ug/l	96
20) Methylene Chloride	4.52	84	26246	6.184	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	24479	6.428	ug/l	95
22) Diisopropyl ether	5.94	45	97297	8.048	ug/l	92
23) Vinyl Acetate	5.87	43	403883	41.961	ug/l	99
24) 1,1-Dichloroethane	5.82	63	53754	7.512	ug/l	95
25) 2-Butanone	6.83	43	92972	40.116	ug/l	96
26) 2,2-Dichloropropane	6.80	77	45387	7.784	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	30400	6.721	ug/l	95
28) Bromochloromethane	7.18	49	25920	7.609	ug/l	94
29) Tetrahydrofuran	7.20	42	58980	39.712	ug/l	98
30) Chloroform	7.35	83	51278	6.923	ug/l	93
31) Cyclohexane	7.63	56	57583	8.824	ug/l #	89
32) 1,1,1-Trichloroethane	7.55	97	43290	6.948	ug/l	97
36) 1,1-Dichloropropene	7.78	75	37690	5.940	ug/l	99
37) Ethyl Acetate	6.92	43	37643	7.051	ug/l #	94
38) Carbon Tetrachloride	7.75	117	35756	5.476	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	43523	5.845	ug/l	99
40) Benzene	8.03	78	112942	5.853	ug/l	99
41) Methacrylonitrile	7.16	41	16713	6.860	ug/l	97
42) 1,2-Dichloroethane	8.11	62	43151	6.586	ug/l	98
43) Isopropyl Acetate	8.16	43	67509	5.881	ug/l	99
44) Trichloroethene	8.83	130	24991	4.747	ug/l	98
45) 1,2-Dichloropropane	9.11	63	33009	6.549	ug/l	98
46) Dibromomethane	9.20	93	20099	6.039	ug/l	99
47) Bromodichloromethane	9.40	83	41554	6.252	ug/l	90
48) Methyl methacrylate	9.19	41	31606	7.066	ug/l	97
49) 1,4-Dioxane	9.20	88	8885	103.783	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	190142	34.320	ug/l	99
52) Toluene	10.15	92	62473	5.260	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	42162	5.891	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	48203	6.123	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	26136	5.600	ug/l	95
56) Ethyl methacrylate	10.43	69	41491	6.000	ug/l	99
57) 1,3-Dichloropropane	10.71	76	44779	5.674	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	37132	20.926	ug/l	95
59) 2-Hexanone	10.75	43	124834	31.718	ug/l	97
60) Dibromochloromethane	10.90	129	27466	5.302	ug/l	92
61) 1,2-Dibromoethane	11.00	107	24691	4.998	ug/l	92
64) Tetrachloroethene	10.63	164	22118	4.557	ug/l	98
65) Chlorobenzene	11.43	112	61625	5.257	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	22889	5.107	ug/l	95
67) Ethyl Benzene	11.51	91	116823	5.579	ug/l	100
68) m/p-Xylenes	11.62	106	77958	10.231	ug/l	95
69) o-Xylene	11.95	106	39534	5.278	ug/l	100
70) Styrene	11.96	104	58894	4.931	ug/l	98
71) Bromoform	12.13	173	15424	4.463	ug/l #	92
73) Isopropylbenzene	12.25	105	105128	7.012	ug/l	98
74) N-amyl acetate	12.07	43	50628	10.469	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	30475	6.952	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	25643m	6.821	ug/l	
77) Bromobenzene	12.53	156	19655	5.197	ug/l	88
78) n-propylbenzene	12.59	91	104446	6.917	ug/l	98
79) 2-Chlorotoluene	12.68	91	64734	6.714	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	78634	6.521	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	9802	7.635	ug/l	98
82) 4-Chlorotoluene	12.78	91	57484	6.452	ug/l	98
83) tert-Butylbenzene	12.99	119	76017	6.852	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	70095	6.260	ug/l	97
85) sec-Butylbenzene	13.17	105	86562	6.453	ug/l	98
86) p-Isopropyltoluene	13.29	119	70874	6.224	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	25374	4.814	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	24466	4.853	ug/l	88
89) n-Butylbenzene	13.62	91	57112	6.819	ug/l	98
90) Hexachloroethane	13.88	117	17114	7.198	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	23782	4.825	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4118	7.132	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	6821	4.148	ug/l	96
94) Hexachlorobutadiene	15.01	225	8932	4.106	ug/l	99
95) Naphthalene	15.13	128	24187	6.314	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	6675	4.223	ug/l	96

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

