

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057243.D
 Acq On : 13 Aug 2019 12:15
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 12:29:46 PM

Quant Time: Aug 14 05:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 05:31:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1239598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1774530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1573696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	572141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	236946	17.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.86%	
35) Dibromofluoromethane	7.58	113	213809	19.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.26%	
50) Toluene-d8	10.08	98	801361	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	
62) 4-Bromofluorobenzene	12.40	95	246814	17.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	202090	17.510	ug/l	98
3) Chloromethane	2.05	50	229074	15.055	ug/l	99
4) Vinyl Chloride	2.18	62	222581	15.220	ug/l	99
5) Bromomethane	2.55	94	165279	18.702	ug/l	98
6) Chloroethane	2.70	64	146881	16.863	ug/l	100
7) Trichlorofluoromethane	3.02	101	348152	18.034	ug/l	100
8) Diethyl Ether	3.40	74	124099	16.776	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	207111	17.926	ug/l	99
10) Methyl Iodide	3.95	142	324950	20.366	ug/l	100
11) Tert butyl alcohol	4.76	59	152227	70.091	ug/l #	77
12) 1,1-Dichloroethene	3.73	96	206097	17.827	ug/l	97
13) Acrolein	3.60	56	113734	122.582	ug/l	99
14) Allyl chloride	4.32	41	310133	15.812	ug/l	100
15) Acrylonitrile	4.98	53	456962	72.355	ug/l	100
16) Acetone	3.81	43	447084	74.139	ug/l	98
17) Carbon Disulfide	4.05	76	541166	17.609	ug/l	99
18) Methyl Acetate	4.31	43	221325	13.407	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	612609	16.793	ug/l	99
20) Methylene Chloride	4.54	84	231301	16.967	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	218970	17.953	ug/l	95
22) Diisopropyl ether	5.94	45	624064	16.215	ug/l	95
23) Vinyl Acetate	5.88	43	2441775	78.609	ug/l	99
24) 1,1-Dichloroethane	5.84	63	383134	16.902	ug/l	100
25) 2-Butanone	6.82	43	598407	68.347	ug/l	100
26) 2,2-Dichloropropane	6.81	77	319069	19.082	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	253032	18.015	ug/l	100
28) Bromochloromethane	7.19	49	185134	17.691	ug/l	100
29) Tetrahydrofuran	7.20	42	372575	65.529	ug/l	99
30) Chloroform	7.36	83	402576	17.617	ug/l	98
31) Cyclohexane	7.65	56	340514	16.119	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	347462	19.022	ug/l	99
36) 1,1-Dichloropropene	7.79	75	297955	18.194	ug/l	99
37) Ethyl Acetate	6.91	43	240172	15.517	ug/l	99
38) Carbon Tetrachloride	7.77	117	314302	20.103	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	350838	17.469	ug/l	98
40) Benzene	8.03	78	915057	18.321	ug/l	99
41) Methacrylonitrile	7.17	41	104775m	15.571	ug/l	
42) 1,2-Dichloroethane	8.12	62	295303	18.617	ug/l	100
43) Isopropyl Acetate	8.16	43	396150	16.044	ug/l	99
44) Trichloroethene	8.83	130	259332	18.881	ug/l	100
45) 1,2-Dichloropropane	9.11	63	232916	17.703	ug/l	98
46) Dibromomethane	9.20	93	156248	18.942	ug/l	99
47) Bromodichloromethane	9.40	83	302417	19.154	ug/l	99
48) Methyl methacrylate	9.19	41	180596	15.221	ug/l	96
49) 1,4-Dioxane	9.19	88	79621	321.915	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1154988	73.252	ug/l	99
52) Toluene	10.15	92	574666	19.234	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	320032	19.394	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	368436	19.322	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	221230	17.815	ug/l	98
56) Ethyl methacrylate	10.43	69	306978	17.379	ug/l	99
57) 1,3-Dichloropropane	10.70	76	364488	17.990	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	371741	47.455	ug/l	99
59) 2-Hexanone	10.75	43	828689	73.592	ug/l	99
60) Dibromochloromethane	10.90	129	246606	19.905	ug/l	99
61) 1,2-Dibromoethane	11.00	107	230526	18.618	ug/l	100
64) Tetrachloroethene	10.63	164	266945	19.572	ug/l	98
65) Chlorobenzene	11.43	112	618695	19.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	240609	20.107	ug/l	99
67) Ethyl Benzene	11.51	91	1062401	18.815	ug/l	100
68) m/p-Xylenes	11.62	106	790126	37.470	ug/l	99
69) o-Xylene	11.95	106	387656	18.705	ug/l	100
70) Styrene	11.96	104	602712	18.049	ug/l	99
71) Bromoform	12.13	173	176692	19.431	ug/l #	98
73) Isopropylbenzene	12.25	105	1036071	22.049	ug/l	99
74) N-amyl acetate	12.07	43	276026	16.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	290135	18.774	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	239488m	19.441	ug/l	
77) Bromobenzene	12.53	156	269661	21.903	ug/l	98
78) n-propylbenzene	12.59	91	1024857	19.858	ug/l	100
79) 2-Chlorotoluene	12.67	91	657768	20.494	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	851732	21.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	82152	20.128	ug/l	96
82) 4-Chlorotoluene	12.77	91	593276	19.629	ug/l	100
83) tert-Butylbenzene	12.99	119	768942	22.045	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	784380	20.397	ug/l	99
85) sec-Butylbenzene	13.17	105	911112	20.689	ug/l	99
86) p-Isopropyltoluene	13.29	119	782268	19.713	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	376862	18.957	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	349308	18.170	ug/l	99
89) n-Butylbenzene	13.62	91	578892	18.557	ug/l	99
90) Hexachloroethane	13.88	117	155667	23.636	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	370087	18.337	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35904	15.056	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	94898	10.880	ug/l	99
94) Hexachlorobutadiene	15.01	225	167165	22.298	ug/l	99
95) Naphthalene	15.13	128	170071	7.592	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	90276	10.150	ug/l	99

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

