

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057417.D
 Acq On : 19 Aug 2019 23:12
 Operator : JC/SP
 Sample : VN0819WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:37 AM

Quant Time: Aug 20 09:02:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	822547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1216012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1075385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	379216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	426461	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.58	113	391592	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.08	98	1440531	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	455712	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123921	17.508	ug/l	100
3) Chloromethane	2.06	50	142580	17.066	ug/l	98
4) Vinyl Chloride	2.18	62	138210	17.584	ug/l	99
5) Bromomethane	2.54	94	112913	20.153	ug/l	96
6) Chloroethane	2.70	64	95748	17.710	ug/l	97
7) Trichlorofluoromethane	3.02	101	236066	19.148	ug/l	98
8) Diethyl Ether	3.40	74	84395	18.188	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136281	18.815	ug/l	96
10) Methyl Iodide	3.95	142	226168	19.534	ug/l	99
11) Tert butyl alcohol	4.75	59	111367	87.606	ug/l	99
12) 1,1-Dichloroethene	3.73	96	134770	18.674	ug/l	96
13) Acrolein	3.60	56	37621	48.749	ug/l	98
14) Allyl chloride	4.32	41	186768	16.144	ug/l	92
15) Acrylonitrile	4.97	53	312320	90.494	ug/l	99
16) Acetone	3.80	43	239461	77.197	ug/l	100
17) Carbon Disulfide	4.05	76	335102	17.235	ug/l	98
18) Methyl Acetate	4.31	43	223132	25.747	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	429660	18.974	ug/l	98
20) Methylene Chloride	4.54	84	156840	18.071	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	145304	18.722	ug/l	97
22) Diisopropyl ether	5.93	45	415456	18.180	ug/l	97
23) Vinyl Acetate	5.88	43	1474323	80.160	ug/l	98
24) 1,1-Dichloroethane	5.84	63	261591	18.606	ug/l	97
25) 2-Butanone	6.82	43	376029	83.711	ug/l	93
26) 2,2-Dichloropropane	6.81	77	177956	15.661	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	176504	19.210	ug/l	95
28) Bromochloromethane	7.18	49	121653	19.474	ug/l	# 91
29) Tetrahydrofuran	7.19	42	252559	88.844	ug/l	99
30) Chloroform	7.36	83	278054	18.872	ug/l	97
31) Cyclohexane	7.65	56	215133	17.657	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	242359	19.557	ug/l	98
36) 1,1-Dichloropropene	7.78	75	193344	18.008	ug/l	99
37) Ethyl Acetate	6.91	43	149780	17.033	ug/l	98
38) Carbon Tetrachloride	7.76	117	219961	19.718	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	225762	18.008	ug/l	99
40) Benzene	8.03	78	615716	18.749	ug/l	100
41) Methacrylonitrile	7.17	41	78119m	19.726	ug/l	
42) 1,2-Dichloroethane	8.12	62	202779	18.657	ug/l	98
43) Isopropyl Acetate	8.16	43	319976	19.202	ug/l	96
44) Trichloroethene	8.83	130	182339	19.750	ug/l	94
45) 1,2-Dichloropropane	9.11	63	157955	18.661	ug/l	100
46) Dibromomethane	9.20	93	108073	19.138	ug/l	99
47) Bromodichloromethane	9.40	83	215397	19.252	ug/l	99
48) Methyl methacrylate	9.19	41	128533	17.750	ug/l	97
49) 1,4-Dioxane	9.19	88	54060	354.994	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	791189	87.212	ug/l	98
52) Toluene	10.15	92	394863	19.318	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	217534	17.975	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	248661	18.633	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	156911	19.523	ug/l	96
56) Ethyl methacrylate	10.42	69	220472	18.797	ug/l	98
57) 1,3-Dichloropropane	10.70	76	249608	18.590	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	214688	74.230	ug/l	98
59) 2-Hexanone	10.75	43	556261	85.288	ug/l	99
60) Dibromochloromethane	10.90	129	179787	19.961	ug/l	98
61) 1,2-Dibromoethane	11.00	107	165781	19.363	ug/l	100
64) Tetrachloroethene	10.63	164	186715	20.085	ug/l	99
65) Chlorobenzene	11.43	112	432232	19.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	171572	20.426	ug/l	100
67) Ethyl Benzene	11.51	91	727644	18.963	ug/l	99
68) m/p-Xylenes	11.62	106	547165	38.702	ug/l	97
69) o-Xylene	11.95	106	269440	19.410	ug/l	99
70) Styrene	11.96	104	419154	18.942	ug/l	100
71) Bromoform	12.13	173	132229	19.954	ug/l #	98
73) Isopropylbenzene	12.25	105	717695	21.895	ug/l	99
74) N-amyl acetate	12.07	43	186814	16.977	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	202850	21.516	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	163752m	20.846	ug/l	
77) Bromobenzene	12.53	156	191831	22.410	ug/l	95
78) n-propylbenzene	12.59	91	689794	18.889	ug/l	98
79) 2-Chlorotoluene	12.67	91	452789	21.325	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	591661	21.888	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57091	18.358	ug/l	98
82) 4-Chlorotoluene	12.77	91	411231	19.004	ug/l	98
83) tert-Butylbenzene	12.99	119	533712	22.116	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	552412	20.225	ug/l	99
85) sec-Butylbenzene	13.17	105	611245	20.411	ug/l	100
86) p-Isopropyltoluene	13.29	119	537577	19.224	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	263620	19.841	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	246235	19.523	ug/l	99
89) n-Butylbenzene	13.62	91	412085	20.671	ug/l	99
90) Hexachloroethane	13.88	117	114262	22.755	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	259195	20.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23050	17.045	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64337	16.954	ug/l	99
94) Hexachlorobutadiene	15.01	225	118686	22.508	ug/l	98
95) Naphthalene	15.13	128	128771	20.916	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	62495	20.636	ug/l	99

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

