

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054545.D
 Acq On : 22 Mar 2019 7:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:17:03 PM

Quant Time: Mar 22 11:07:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	460600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	788609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	679213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	297936	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	324966	56.72	ug/l	0.00
Spiked Amount						
			Recovery	=	113.44%	
35) Dibromofluoromethane	7.59	113	255958	50.38	ug/l	0.00
Spiked Amount						
			Recovery	=	100.76%	
50) Toluene-d8	10.09	98	951843	49.83	ug/l	0.00
Spiked Amount						
			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	319738	49.20	ug/l	0.00
Spiked Amount						
			Recovery	=	98.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	228936	51.993	ug/l	99
3) Chloromethane	2.06	50	321711	53.699	ug/l	99
4) Vinyl Chloride	2.19	62	315181	52.400	ug/l	97
5) Bromomethane	2.57	94	166141	42.717	ug/l	95
6) Chloroethane	2.71	64	175762	48.718	ug/l	98
7) Trichlorofluoromethane	3.02	101	372184	50.952	ug/l	99
8) Diethyl Ether	3.41	74	134527	47.886	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	188211	43.842	ug/l	95
10) Methyl Iodide	3.94	142	294017	46.559	ug/l #	90
11) Tert butyl alcohol	4.82	59	100450	289.603	ug/l	98
12) 1,1-Dichloroethene	3.73	96	206271	46.430	ug/l #	80
13) Acrolein	3.61	56	118318	247.185	ug/l	96
14) Allyl chloride	4.32	41	439603	52.548	ug/l #	91
15) Acrylonitrile	5.00	53	517902	299.833	ug/l	100
16) Acetone	3.82	43	389373	226.056	ug/l #	83
17) Carbon Disulfide	4.04	76	575587	48.354	ug/l	100
18) Methyl Acetate	4.33	43	230078	59.929	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	721356	55.636	ug/l	93
20) Methylene Chloride	4.54	84	267431	52.670	ug/l #	84
21) trans-1,2-Dichloroethene	5.03	96	249795	55.064	ug/l #	84
22) Diisopropyl ether	5.96	45	965695	58.522	ug/l #	95
23) Vinyl Acetate	5.90	43	3503499	300.616	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	507953	57.170	ug/l	98
25) 2-Butanone	6.85	43	650525	294.826	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	212461	33.545	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	293397	54.223	ug/l	92
28) Bromochloromethane	7.19	49	260262	59.511	ug/l #	74
29) Tetrahydrofuran	7.22	42	443376	309.651	ug/l #	85
30) Chloroform	7.37	83	487980	56.278	ug/l	99
31) Cyclohexane	7.65	56	457665	53.902	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	403822	56.451	ug/l	96
36) 1,1-Dichloropropene	7.79	75	362312	49.137	ug/l	96
37) Ethyl Acetate	6.94	43	287438	54.809	ug/l	96
38) Carbon Tetrachloride	7.77	117	346570	48.367	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	385423	45.696	ug/l #	88
40) Benzene	8.04	78	1090623	51.725	ug/l	99
41) Methacrylonitrile	7.17	41	162425	50.785	ug/l	89
42) 1,2-Dichloroethane	8.13	62	397739	51.798	ug/l	97
43) Isopropyl Acetate	8.17	43	498912	56.330	ug/l #	94
44) Trichloroethene	8.83	130	284234	48.487	ug/l	94
45) 1,2-Dichloropropane	9.12	63	304482	53.778	ug/l	99
46) Dibromomethane	9.21	93	178672	52.898	ug/l	90
47) Bromodichloromethane	9.40	83	373446	53.274	ug/l	96
48) Methyl methacrylate	9.20	41	260442	54.178	ug/l	89
49) 1,4-Dioxane	9.20	88	56019	1042.373	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1425015	290.313	ug/l	93
52) Toluene	10.16	92	644378	49.689	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	335118	45.528	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	402615	50.092	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	243295	52.191	ug/l	96
56) Ethyl methacrylate	10.43	69	346695	55.410	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	427869	52.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	713987	277.122	ug/l	90
59) 2-Hexanone	10.75	43	887018	276.657	ug/l	92
60) Dibromochloromethane	10.90	129	259625	52.339	ug/l	99
61) 1,2-Dibromoethane	11.01	107	241664	52.438	ug/l	100
64) Tetrachloroethene	10.63	164	273895	48.616	ug/l	96
65) Chlorobenzene	11.43	112	683583	49.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	259901	52.416	ug/l	98
67) Ethyl Benzene	11.51	91	1208493	49.524	ug/l	98
68) m/p-Xylenes	11.62	106	903189	97.717	ug/l	97
69) o-Xylene	11.95	106	445116	49.311	ug/l	97
70) Styrene	11.96	104	738457	50.377	ug/l	97
71) Bromoform	12.13	173	160380	47.053	ug/l	100
73) Isopropylbenzene	12.25	105	1156755	48.181	ug/l	99
74) N-amyl acetate	12.07	43	401978	58.230	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	299039	54.564	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	251032m	53.097	ug/l	
77) Bromobenzene	12.53	156	291146	48.896	ug/l	87
78) n-propylbenzene	12.59	91	1262768	48.505	ug/l	97
79) 2-Chlorotoluene	12.67	91	775591	47.774	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	952919	48.428	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	58355	43.023	ug/l #	84
82) 4-Chlorotoluene	12.77	91	771223	49.009	ug/l	96
83) tert-Butylbenzene	12.99	119	828913	48.396	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	943464	48.866	ug/l	98
85) sec-Butylbenzene	13.17	105	1036723	48.556	ug/l	97
86) p-Isopropyltoluene	13.29	119	914636	47.882	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	473033	47.939	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	459461	47.858	ug/l	98
89) n-Butylbenzene	13.61	91	726530	48.642	ug/l	98
90) Hexachloroethane	13.87	117	157339	53.064	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	471932	49.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44362	55.186	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	241037	50.591	ug/l	99
94) Hexachlorobutadiene	15.01	225	132864	49.615	ug/l	100
95) Naphthalene	15.13	128	569702	53.607	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	244598	51.582	ug/l	99

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

