

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054683.D
 Acq On : 25 Mar 2019 19:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:33:15 PM

Quant Time: Mar 26 02:03:59 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	426805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	629569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272492	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	285793	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
35) Dibromofluoromethane	7.59	113	227369	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.09	98	842425	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	287315	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	215718	52.870	ug/l	98
3) Chloromethane	2.06	50	297807	53.646	ug/l	98
4) Vinyl Chloride	2.19	62	271888	48.782	ug/l	98
5) Bromomethane	2.57	94	155014	43.012	ug/l	97
6) Chloroethane	2.71	64	151134	45.209	ug/l	100
7) Trichlorofluoromethane	3.02	101	336082	49.653	ug/l	99
8) Diethyl Ether	3.41	74	114885	44.133	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	176346	44.331	ug/l	93
10) Methyl Iodide	3.94	142	267421	45.701	ug/l #	88
11) Tert butyl alcohol	4.82	59	80023	248.979	ug/l	99
12) 1,1-Dichloroethene	3.73	96	172990	42.022	ug/l #	73
13) Acrolein	3.61	56	128912	290.642	ug/l	94
14) Allyl chloride	4.32	41	418840	54.030	ug/l #	92
15) Acrylonitrile	4.99	53	453008	283.030	ug/l	99
16) Acetone	3.82	43	313387	196.347	ug/l #	81
17) Carbon Disulfide	4.04	76	511829	46.402	ug/l	98
18) Methyl Acetate	4.33	43	202201	56.838	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	642316	53.463	ug/l	95
20) Methylene Chloride	4.55	84	247022	52.503	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	224452	53.395	ug/l	86
22) Diisopropyl ether	5.96	45	888290	58.094	ug/l #	95
23) Vinyl Acetate	5.90	43	3180189	294.481	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	467336	56.764	ug/l	97
25) 2-Butanone	6.84	43	553077	270.509	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	302157	51.485	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	262248	52.304	ug/l	87
28) Bromochloromethane	7.19	49	229247	56.570	ug/l #	71
29) Tetrahydrofuran	7.22	42	374414	282.193	ug/l #	83
30) Chloroform	7.37	83	444814	55.362	ug/l	99
31) Cyclohexane	7.65	56	427063	54.294	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	370833	55.944	ug/l	95
36) 1,1-Dichloropropene	7.79	75	339161	50.314	ug/l	95
37) Ethyl Acetate	6.94	43	250653	52.280	ug/l	96
38) Carbon Tetrachloride	7.77	117	322441	49.223	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363487	47.139	ug/l	89
40) Benzene	8.04	78	989828	51.350	ug/l	100
41) Methacrylonitrile	7.18	41	144367	49.375	ug/l	89
42) 1,2-Dichloroethane	8.12	62	359407	51.198	ug/l	96
43) Isopropyl Acetate	8.17	43	452751	55.916	ug/l #	93
44) Trichloroethene	8.83	130	257223	47.997	ug/l	92
45) 1,2-Dichloropropane	9.12	63	282404	54.560	ug/l	98
46) Dibromomethane	9.21	93	157646	51.053	ug/l	90
47) Bromodichloromethane	9.40	83	347654	54.249	ug/l	97
48) Methyl methacrylate	9.20	41	228060	51.894	ug/l #	86
49) 1,4-Dioxane	9.20	88	44842	912.704	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1217636	271.345	ug/l	93
52) Toluene	10.16	92	595060	50.192	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	329698	48.825	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	395975	53.889	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	219489	51.503	ug/l	96
56) Ethyl methacrylate	10.43	69	301367	52.686	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	391233	52.811	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	539424	229.018	ug/l	90
59) 2-Hexanone	10.75	43	746702	254.750	ug/l	91
60) Dibromochloromethane	10.90	129	235143	51.853	ug/l	98
61) 1,2-Dibromoethane	11.01	107	217081	51.524	ug/l	99
64) Tetrachloroethene	10.63	164	243831	46.693	ug/l	97
65) Chlorobenzene	11.43	112	625429	48.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239405	52.090	ug/l	99
67) Ethyl Benzene	11.51	91	1129455	49.935	ug/l	97
68) m/p-Xylenes	11.62	106	831492	97.053	ug/l	94
69) o-Xylene	11.95	106	411640	49.199	ug/l	97
70) Styrene	11.96	104	688616	50.681	ug/l	97
71) Bromoform	12.13	173	145588	46.127	ug/l #	100
73) Isopropylbenzene	12.25	105	1076057	49.005	ug/l	99
74) N-amyl acetate	12.07	43	357130	56.564	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	268052	53.477	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	239792m	55.456	ug/l	
77) Bromobenzene	12.53	156	266595	48.954	ug/l	85
78) n-propylbenzene	12.59	91	1200724	50.429	ug/l	96
79) 2-Chlorotoluene	12.67	91	732816	49.355	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	884950	49.174	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	57585	46.169	ug/l #	81
82) 4-Chlorotoluene	12.77	91	722732	50.216	ug/l	96
83) tert-Butylbenzene	12.99	119	757184	48.336	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	870663	49.306	ug/l	98
85) sec-Butylbenzene	13.17	105	962740	49.301	ug/l	97
86) p-Isopropyltoluene	13.29	119	860287	49.242	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	445767	49.394	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	433359	49.354	ug/l	98
89) n-Butylbenzene	13.61	91	692983	50.728	ug/l	98
90) Hexachloroethane	13.87	117	148064	54.599	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441433	50.500	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39800	54.134	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	218760	50.202	ug/l	99
94) Hexachlorobutadiene	15.01	225	135325	55.549	ug/l	99
95) Naphthalene	15.13	128	487757	50.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	215974	49.798	ug/l	99

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

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