

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059489.D
 Acq On : 4 Dec 2019 17:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:19:51 AM

Quant Time: Dec 05 07:21:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	404617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	629914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	562898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	240245	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
35) Dibromofluoromethane	7.57	113	189605	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.08	98	745168	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	259006	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	136904	30.406	ug/l	100
3) Chloromethane	2.04	50	190376	31.547	ug/l	98
4) Vinyl Chloride	2.17	62	157108	43.385	ug/l	99
5) Bromomethane	2.54	94	66280	30.118	ug/l	100
6) Chloroethane	2.68	64	65542	30.656	ug/l	97
7) Trichlorofluoromethane	3.00	101	142754	32.641	ug/l	98
8) Diethyl Ether	3.38	74	90719	31.837	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	137610	32.053	ug/l	98
10) Methyl Iodide	3.92	142	178752	32.882	ug/l	98
11) Tert butyl alcohol	4.75	59	148532	156.817	ug/l	99
12) 1,1-Dichloroethene	3.71	96	136396	32.501	ug/l	98
13) Acrolein	3.58	56	125094	152.178	ug/l	98
14) Allyl chloride	4.29	41	265109	32.073	ug/l	99
15) Acrylonitrile	4.95	53	411596	160.626	ug/l	99
16) Acetone	3.79	43	469971	165.676	ug/l	100
17) Carbon Disulfide	4.02	76	438639	30.632	ug/l	99
18) Methyl Acetate	4.29	43	210513	31.111	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	468898	32.782	ug/l	98
20) Methylene Chloride	4.52	84	156181	32.571	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	151947	32.358	ug/l	97
22) Diisopropyl ether	5.92	45	512849	33.334	ug/l	99
23) Vinyl Acetate	5.86	43	2150875	174.227	ug/l	99
24) 1,1-Dichloroethane	5.81	63	288214	32.977	ug/l	99
25) 2-Butanone	6.81	43	598992	156.784	ug/l	98
26) 2,2-Dichloropropane	6.79	77	250936	33.196	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	169675	32.535	ug/l	99
28) Bromochloromethane	7.17	49	144719	42.619	ug/l	99
29) Tetrahydrofuran	7.18	42	379054	157.789	ug/l	99
30) Chloroform	7.35	83	307098	36.392	ug/l	99
31) Cyclohexane	7.63	56	271777	32.093	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	237066	32.322	ug/l	98
36) 1,1-Dichloropropene	7.77	75	215386	32.858	ug/l	99
37) Ethyl Acetate	6.90	43	232844	31.801	ug/l	99
38) Carbon Tetrachloride	7.75	117	207785	32.957	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262606	33.290	ug/l	99
40) Benzene	8.02	78	639577	33.319	ug/l	99
41) Methacrylonitrile	7.16	41	113874m	38.374	ug/l	
42) 1,2-Dichloroethane	8.10	62	215484	33.047	ug/l	99
43) Isopropyl Acetate	8.14	43	362405	33.278	ug/l	99
44) Trichloroethene	8.82	130	162708	32.436	ug/l	96
45) 1,2-Dichloropropane	9.10	63	170157	33.180	ug/l	99
46) Dibromomethane	9.19	93	105359	32.998	ug/l	99
47) Bromodichloromethane	9.39	83	218112	34.070	ug/l	100
48) Methyl methacrylate	9.18	41	159254	32.414	ug/l	99
49) 1,4-Dioxane	9.19	88	47776	642.629	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1095758	169.509	ug/l	99
52) Toluene	10.14	92	387576	33.385	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	247590	32.867	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	270311	33.854	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	151193	33.037	ug/l	98
56) Ethyl methacrylate	10.42	69	230144	31.612	ug/l	100
57) 1,3-Dichloropropane	10.70	76	263556	33.302	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	195171	88.159	ug/l	100
59) 2-Hexanone	10.74	43	824490	169.479	ug/l	100
60) Dibromochloromethane	10.90	129	163191	33.396	ug/l	99
61) 1,2-Dibromoethane	11.00	107	157499	33.306	ug/l	99
64) Tetrachloroethene	10.62	164	145977	30.487	ug/l	99
65) Chlorobenzene	11.43	112	402194	32.684	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150304	33.993	ug/l	99
67) Ethyl Benzene	11.51	91	732592	33.979	ug/l	100
68) m/p-Xylenes	11.62	106	545412	67.939	ug/l	99
69) o-Xylene	11.95	106	257764	33.726	ug/l	99
70) Styrene	11.96	104	419428	34.377	ug/l	99
71) Bromoform	12.12	173	115008	33.369	ug/l #	99
73) Isopropylbenzene	12.25	105	698192	33.447	ug/l	99
74) N-amyl acetate	12.07	43	275734	32.794	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	221961	33.149	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	192774m	29.786	ug/l	
77) Bromobenzene	12.53	156	166466	31.912	ug/l	98
78) n-propylbenzene	12.59	91	822078	33.841	ug/l	99
79) 2-Chlorotoluene	12.67	91	480903	32.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	589952	33.818	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	80683	32.717	ug/l	99
82) 4-Chlorotoluene	12.77	91	499259	33.045	ug/l	100
83) tert-Butylbenzene	12.99	119	503668	33.256	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	586983	34.431	ug/l	100
85) sec-Butylbenzene	13.17	105	678413	33.798	ug/l	100
86) p-Isopropyltoluene	13.29	119	616249	34.260	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	300266	32.648	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	294071	31.704	ug/l	99
89) n-Butylbenzene	13.62	91	531289	32.967	ug/l	99
90) Hexachloroethane	13.88	117	112601	32.457	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	287116	32.564	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43266	31.283	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	173758	32.282	ug/l	99
94) Hexachlorobutadiene	15.01	225	103892	33.669	ug/l	100
95) Naphthalene	15.13	128	453736	31.540	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	171741	32.479	ug/l	98

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

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