

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042519\
 Data File : VN055234.D
 Acq On : 25 Apr 2019 9:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:58:48 AM

Quant Time: Apr 26 02:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	441977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	695145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	602023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253571	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	291899	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	7.59	113	232664	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	10.09	98	870560	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	297832	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	294590	51.767	ug/l	98
3) Chloromethane	2.06	50	334673	47.995	ug/l	98
4) Vinyl Chloride	2.19	62	272647	48.796	ug/l	99
5) Bromomethane	2.56	94	140296	43.297	ug/l	96
6) Chloroethane	2.70	64	139329	47.311	ug/l	99
7) Trichlorofluoromethane	3.02	101	375615	49.399	ug/l	96
8) Diethyl Ether	3.41	74	130627	48.131	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	232116	48.920	ug/l	99
10) Methyl Iodide	3.95	142	336624	50.592	ug/l	100
11) Tert butyl alcohol	4.78	59	76653	219.477	ug/l	99
12) 1,1-Dichloroethene	3.74	96	220017	48.385	ug/l	99
13) Acrolein	3.61	56	110949	213.367	ug/l	98
14) Allyl chloride	4.32	41	414653	46.127	ug/l	95
15) Acrylonitrile	4.99	53	455551	237.836	ug/l	99
16) Acetone	3.82	43	464824	235.041	ug/l	96
17) Carbon Disulfide	4.05	76	619554	48.736	ug/l	100
18) Methyl Acetate	4.32	43	209323	49.240	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	596566	47.452	ug/l	98
20) Methylene Chloride	4.55	84	254262	44.722	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	231936	48.641	ug/l	97
22) Diisopropyl ether	5.95	45	877765	48.987	ug/l	99
23) Vinyl Acetate	5.89	43	3046213	252.985	ug/l	99
24) 1,1-Dichloroethane	5.85	63	460974	47.829	ug/l	99
25) 2-Butanone	6.83	43	584087	228.768	ug/l	99
26) 2,2-Dichloropropane	6.82	77	327642	50.235	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	261823	47.633	ug/l	99
28) Bromochloromethane	7.19	49	233852	47.599	ug/l	99
29) Tetrahydrofuran	7.21	42	366303	233.342	ug/l	99
30) Chloroform	7.37	83	436058	47.564	ug/l	100
31) Cyclohexane	7.65	56	440733	48.813	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	362614	49.232	ug/l	100
36) 1,1-Dichloropropene	7.79	75	339883	52.679	ug/l	100
37) Ethyl Acetate	6.92	43	241824	46.442	ug/l	100
38) Carbon Tetrachloride	7.77	117	312145	51.663	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	376674	48.937	ug/l	99
40) Benzene	8.04	78	990057	49.709	ug/l	98
41) Methacrylonitrile	7.17	41	145777	53.401	ug/l	98
42) 1,2-Dichloroethane	8.12	62	336956	48.494	ug/l	100
43) Isopropyl Acetate	8.16	43	430657	51.075	ug/l #	87
44) Trichloroethene	8.83	130	250477	49.757	ug/l	99
45) 1,2-Dichloropropane	9.12	63	274903	48.897	ug/l	99
46) Dibromomethane	9.21	93	154361	47.962	ug/l	98
47) Bromodichloromethane	9.40	83	335175	52.023	ug/l	98
48) Methyl methacrylate	9.20	41	195655	47.837	ug/l	98
49) 1,4-Dioxane	9.20	88	43171	913.992	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1158772	238.826	ug/l	100
52) Toluene	10.15	92	590742	50.595	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	324889	54.948	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	391186	53.314	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	209352	48.634	ug/l	99
56) Ethyl methacrylate	10.43	69	276176	51.502	ug/l	99
57) 1,3-Dichloropropane	10.71	76	369185	49.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	379876	186.832	ug/l	100
59) 2-Hexanone	10.75	43	759497	247.820	ug/l	100
60) Dibromochloromethane	10.90	129	231306	52.169	ug/l	100
61) 1,2-Dibromoethane	11.00	107	201542	49.798	ug/l	98
64) Tetrachloroethene	10.63	164	243405	49.561	ug/l	99
65) Chlorobenzene	11.43	112	597407	48.617	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	226288	49.687	ug/l	100
67) Ethyl Benzene	11.51	91	1105383	50.500	ug/l	99
68) m/p-Xylenes	11.62	106	815041	103.819	ug/l	99
69) o-Xylene	11.95	106	392675	50.401	ug/l	100
70) Styrene	11.96	104	662639	54.870	ug/l	100
71) Bromoform	12.12	173	143927	52.958	ug/l #	99
73) Isopropylbenzene	12.25	105	1052007	51.710	ug/l	100
74) N-amyl acetate	12.07	43	322638	49.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	249785	48.362	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	231265m	44.956	ug/l	
77) Bromobenzene	12.53	156	254420	45.449	ug/l	99
78) n-propylbenzene	12.59	91	1190058	46.798	ug/l	99
79) 2-Chlorotoluene	12.67	91	723855	45.078	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	884276	46.584	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63710	46.948	ug/l	96
82) 4-Chlorotoluene	12.77	91	708557	47.960	ug/l	99
83) tert-Butylbenzene	12.99	119	742005	52.115	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	860910	48.060	ug/l	99
85) sec-Butylbenzene	13.17	105	965875	44.977	ug/l	100
86) p-Isopropyltoluene	13.29	119	853346	48.232	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	425255	49.486	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	411324	49.163	ug/l	98
89) n-Butylbenzene	13.61	91	700585	53.423	ug/l	99
90) Hexachloroethane	13.87	117	144740	46.128	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	406702	46.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35191	45.703	ug/l	95

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93) 1,2,4-Trichlorobenzene	14.91	180	167418	45.176	ug/l	98
94) Hexachlorobutadiene	15.01	225	141491	55.315	ug/l	97
95) Naphthalene	15.13	128	332106	41.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	165394	44.887	ug/l	99

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

