

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056373.D
 Acq On : 19 Jun 2019 9:16
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:52:03 PM

Quant Time: Jun 20 04:23:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	545860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147498	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	19418	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
35) Dibromofluoromethane	7.59	113	15859	4.57	ug/l	0.00
Spiked Amount			Recovery	=	9.14%	
50) Toluene-d8	10.09	98	64398	4.84	ug/l	0.00
Spiked Amount			Recovery	=	9.68%	
62) 4-Bromofluorobenzene	12.40	95	18440	4.19	ug/l	0.00
Spiked Amount			Recovery	=	8.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	13756	4.391	ug/l	95
3) Chloromethane	2.06	50	19969	4.741	ug/l	99
4) Vinyl Chloride	2.18	62	19610	4.744	ug/l	97
5) Bromomethane	2.52	94	13366m	5.591	ug/l	
6) Chloroethane	2.68	64	12204m	5.161	ug/l	
7) Trichlorofluoromethane	3.00	101	26066	4.916	ug/l	100
8) Diethyl Ether	3.40	74	11705	5.511	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	16805	4.894	ug/l	100
10) Methyl Iodide	3.94	142	18517	4.176	ug/l	99
11) Tert butyl alcohol	4.75	59	13589	21.195	ug/l #	74
12) 1,1-Dichloroethene	3.73	96	15795	4.754	ug/l	97
13) Acrolein	3.60	56	13727	55.347	ug/l	95
14) Allyl chloride	4.32	41	24507	4.407	ug/l	95
15) Acrylonitrile	4.99	53	45440	24.957	ug/l	99
16) Acetone	3.82	43	51390	23.443	ug/l	99
17) Carbon Disulfide	4.05	76	31011	3.577	ug/l	97
18) Methyl Acetate	4.33	43	25027	5.213	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	53174	5.211	ug/l	98
20) Methylene Chloride	4.55	84	20349	5.160	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	16689	4.728	ug/l	94
22) Diisopropyl ether	5.95	45	55250	5.016	ug/l	95
23) Vinyl Acetate	5.90	43	198850	22.232	ug/l	100
24) 1,1-Dichloroethane	5.84	63	32408	5.034	ug/l	99
25) 2-Butanone	6.84	43	65298	24.235	ug/l	99
26) 2,2-Dichloropropane	6.83	77	21062	4.537	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	19682	4.798	ug/l	96
28) Bromochloromethane	7.19	49	14843	4.606	ug/l #	95
29) Tetrahydrofuran	7.21	42	40227	24.977	ug/l	98
30) Chloroform	7.37	83	31665	4.946	ug/l	99
31) Cyclohexane	7.66	56	34722	5.596	ug/l #	85
32) 1,1,1-Trichloroethane	7.57	97	23399	4.426	ug/l	98
36) 1,1-Dichloropropene	7.79	75	22199	4.561	ug/l	97
37) Ethyl Acetate	6.93	43	23100	4.984	ug/l	97
38) Carbon Tetrachloride	7.77	117	20662	4.479	ug/l #	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	29335	4.951	ug/l	99
40) Benzene	8.04	78	74743	5.066	ug/l	100
41) Methacrylonitrile	7.17	41	9608	4.629	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	25100	5.193	ug/l	98
43) Isopropyl Acetate	8.17	43	33744	4.559	ug/l #	92
44) Trichloroethene	8.83	130	20206	5.026	ug/l	95
45) 1,2-Dichloropropane	9.12	63	20274	5.190	ug/l	96
46) Dibromomethane	9.21	93	12270	4.749	ug/l	99
47) Bromodichloromethane	9.40	83	20349	4.157	ug/l	99
48) Methyl methacrylate	9.20	41	17303	4.667	ug/l	94
49) 1,4-Dioxane	9.20	88	7203	96.561	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	115398	24.503	ug/l	100
52) Toluene	10.16	92	44475	4.950	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	18263	3.738	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	23170	4.094	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	18019	4.859	ug/l	97
56) Ethyl methacrylate	10.43	69	25752	4.837	ug/l	98
57) 1,3-Dichloropropane	10.71	76	30981	4.965	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	42772	24.306	ug/l	99
59) 2-Hexanone	10.75	43	83948	24.074	ug/l	99
60) Dibromochloromethane	10.90	129	13858	3.624	ug/l	100
61) 1,2-Dibromoethane	11.00	107	18028	4.738	ug/l	98
64) Tetrachloroethene	10.63	164	19871	5.241	ug/l	99
65) Chlorobenzene	11.43	112	47011	4.980	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	15432	4.407	ug/l	98
67) Ethyl Benzene	11.51	91	80562	4.962	ug/l	98
68) m/p-Xylenes	11.62	106	58517	9.702	ug/l	98
69) o-Xylene	11.95	106	29402	4.946	ug/l	97
70) Styrene	11.96	104	44579	4.648	ug/l	99
71) Bromoform	12.13	173	9114	3.418	ug/l #	93
73) Isopropylbenzene	12.25	105	79053	6.279	ug/l	100
74) N-amyl acetate	12.07	43	27259	5.889	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	24241	5.894	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	19238m	6.156	ug/l	
77) Bromobenzene	12.53	156	19120	5.766	ug/l	92
78) n-propylbenzene	12.59	91	75411	5.728	ug/l	99
79) 2-Chlorotoluene	12.67	91	50065	5.968	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	62537	6.105	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	3787	3.860	ug/l #	78
82) 4-Chlorotoluene	12.77	91	43661	5.641	ug/l	100
83) tert-Butylbenzene	12.99	119	56219	6.114	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	54590	5.718	ug/l	100
85) sec-Butylbenzene	13.17	105	67260	5.815	ug/l	99
86) p-Isopropyltoluene	13.29	119	56487	5.709	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26440	5.289	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	24733	5.158	ug/l	96
89) n-Butylbenzene	13.61	91	37993	5.128	ug/l	99
90) Hexachloroethane	13.87	117	8391	4.429	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	26854	5.474	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2615	4.164	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	6724	3.255	ug/l	95
94) Hexachlorobutadiene	15.01	225	10883	5.551	ug/l	96
95) Naphthalene	15.13	128	19491	3.502	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	8475	3.809	ug/l	98

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

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