

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057551.D
 Acq On : 29 Aug 2019 15:48
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:38:41 AM

Quant Time: Aug 29 17:39:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	412805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	653016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	188866	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	33082	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	
35) Dibromofluoromethane	7.58	113	30156	6.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.86%	
50) Toluene-d8	10.08	98	92029	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
62) 4-Bromofluorobenzene	12.40	95	31031	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	22971	4.766	ug/l	95
3) Chloromethane	2.06	50	24333	3.684	ug/l	97
4) Vinyl Chloride	2.18	62	36149	4.399	ug/l	100
5) Bromomethane	2.55	94	33253	6.155	ug/l	98
6) Chloroethane	2.69	64	24721	4.634	ug/l	98
7) Trichlorofluoromethane	3.01	101	75479	5.631	ug/l	97
8) Diethyl Ether	3.40	74	26772	5.420	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	3.74	101	45420	6.033	ug/l #	83
10) Methyl Iodide	3.93	142	69410	9.869	ug/l	95
11) Tert butyl alcohol	4.81	59	19279m	22.435	ug/l	
12) 1,1-Dichloroethene	3.72	96	41063	5.672	ug/l #	76
13) Acrolein	3.59	56	17352	23.270	ug/l	95
14) Allyl chloride	4.30	41	31574	3.295	ug/l #	85
15) Acrylonitrile	4.98	53	42456	18.321	ug/l	98
16) Acetone	3.81	43	76555	22.281	ug/l	94
17) Carbon Disulfide	4.02	76	53974	4.127	ug/l	96
18) Methyl Acetate	4.31	43	26209	3.227	ug/l #	85
19) Methyl tert-butyl Ether	5.03	73	75655	4.497	ug/l	100
20) Methylene Chloride	4.53	84	27029	4.998	ug/l #	83
21) trans-1,2-Dichloroethene	5.01	96	26097	5.221	ug/l #	77
22) Diisopropyl ether	5.94	45	66015	3.492	ug/l #	85
23) Vinyl Acetate	5.88	43	268395	18.085	ug/l #	89
24) 1,1-Dichloroethane	5.82	63	45729	4.437	ug/l	99
25) 2-Butanone	6.83	43	55975	16.374	ug/l #	84
26) 2,2-Dichloropropane	6.81	77	45432	4.945	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	31496	5.293	ug/l	83
28) Bromochloromethane	7.18	49	19558	3.677	ug/l #	57
29) Tetrahydrofuran	7.21	42	34365	15.396	ug/l #	74
30) Chloroform	7.36	83	54571	4.940	ug/l	97
31) Cyclohexane	7.64	56	46879	4.812	ug/l #	72
32) 1,1,1-Trichloroethane	7.55	97	47428	5.131	ug/l	95
36) 1,1-Dichloropropene	7.78	75	35624	5.205	ug/l #	82
37) Ethyl Acetate	6.93	43	22016	3.481	ug/l #	88
38) Carbon Tetrachloride	7.76	117	40495	5.775	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	45688	5.566	ug/l	90
40) Benzene	8.03	78	109421	5.315	ug/l	99
41) Methacrylonitrile	7.16	41	11503	3.845	ug/l #	79
42) 1,2-Dichloroethane	8.11	62	39269	5.022	ug/l	97
43) Isopropyl Acetate	8.16	43	42870	3.675	ug/l #	90
44) Trichloroethene	8.82	130	30679	6.430	ug/l	86
45) 1,2-Dichloropropane	9.11	63	24724	4.388	ug/l	97
46) Dibromomethane	9.20	93	19475	5.229	ug/l #	81
47) Bromodichloromethane	9.40	83	40093	5.204	ug/l	98
48) Methyl methacrylate	9.20	41	21886	3.969	ug/l #	85
49) 1,4-Dioxane	9.19	88	7876	104.325	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	122231	18.866	ug/l	92
52) Toluene	10.15	92	67215	5.516	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	37359	4.667	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	40738	4.590	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	26192	5.341	ug/l	98
56) Ethyl methacrylate	10.43	69	34422	4.634	ug/l #	86
57) 1,3-Dichloropropane	10.70	76	42825	5.143	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	37726	21.480	ug/l #	84
59) 2-Hexanone	10.75	43	79015	17.746	ug/l	83
60) Dibromochloromethane	10.90	129	27933	5.272	ug/l	100
61) 1,2-Dibromoethane	11.00	107	26147	5.382	ug/l	97
64) Tetrachloroethene	10.63	164	30658	7.294	ug/l	93
65) Chlorobenzene	11.43	112	70654	5.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	27618	6.009	ug/l	97
67) Ethyl Benzene	11.51	91	125999	5.564	ug/l	99
68) m/p-Xylenes	11.62	106	91245	11.594	ug/l	90
69) o-Xylene	11.95	106	45628	5.878	ug/l	92
70) Styrene	11.96	104	65124	5.291	ug/l	98
71) Bromoform	12.13	173	16877	5.406	ug/l #	97
73) Isopropylbenzene	12.25	105	119399	5.654	ug/l	95
74) N-amyl acetate	12.07	43	30626	3.388	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.51	83	28715	4.741	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	29241m	6.244	ug/l	
77) Bromobenzene	12.53	156	26440	6.164	ug/l	81
78) n-propylbenzene	12.59	91	117170	5.269	ug/l	94
79) 2-Chlorotoluene	12.68	91	69295	5.229	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	92278	5.517	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	7073	3.973	ug/l #	87
82) 4-Chlorotoluene	12.77	91	62759	4.955	ug/l	91
83) tert-Butylbenzene	12.99	119	89466	5.986	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	79628	5.366	ug/l	99
85) sec-Butylbenzene	13.17	105	100306	5.507	ug/l	100
86) p-Isopropyltoluene	13.29	119	84475	5.619	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	33209	5.268	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	32868	5.348	ug/l	96
89) n-Butylbenzene	13.62	91	60947	4.894	ug/l	98
90) Hexachloroethane	13.88	117	17012	4.996	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	29919	4.976	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4079	4.184	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8402	3.821	ug/l	98
94) Hexachlorobutadiene	15.01	225	12393	6.610	ug/l	94
95) Naphthalene	15.13	128	25915	3.636	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	8426	3.698	ug/l	98

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

