

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062994.D
 Acq On : 18 Aug 2020 19:05
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:46:09 PM

Quant Time: Aug 19 05:56:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	182691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	279591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	113700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	12147	5.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.22%	
35) Dibromofluoromethane	7.55	113	9743	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
50) Toluene-d8	10.06	98	35161	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
62) 4-Bromofluorobenzene	12.38	95	11141	4.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	8347	3.859	ug/l	99
3) Chloromethane	2.04	50	9916	3.959	ug/l	97
4) Vinyl Chloride	2.16	62	10437	4.308	ug/l	99
5) Bromomethane	2.51	94	6364	4.426	ug/l	96
6) Chloroethane	2.66	64	6316	4.416	ug/l	94
7) Trichlorofluoromethane	2.98	101	13785	4.563	ug/l	89
8) Diethyl Ether	3.37	74	5407	5.059	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	9032	5.548	ug/l	95
10) Methyl Iodide	3.91	142	9021	4.372	ug/l	100
11) Tert butyl alcohol	4.73	59	8396	27.376	ug/l #	89
12) 1,1-Dichloroethene	3.70	96	8151	5.256	ug/l	93
13) Acrolein	3.57	56	5511	57.359	ug/l	100
14) Allyl chloride	4.28	41	13729	5.021	ug/l	98
15) Acrylonitrile	4.94	53	22360	24.805	ug/l	99
16) Acetone	3.78	43	18964	25.720	ug/l	95
17) Carbon Disulfide	4.01	76	18780	4.624	ug/l	96
18) Methyl Acetate	4.28	43	10671	4.959	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	24569	4.543	ug/l	97
20) Methylene Chloride	4.50	84	12783	5.258	ug/l	89
21) trans-1,2-Dichloroethene	4.98	96	8312	5.122	ug/l	92
22) Diisopropyl ether	5.90	45	30218	4.870	ug/l #	82
23) Vinyl Acetate	5.85	43	109647	26.187	ug/l	100
24) 1,1-Dichloroethane	5.80	63	17492	5.045	ug/l	99
25) 2-Butanone	6.79	43	27628	24.034	ug/l	99
26) 2,2-Dichloropropane	6.77	77	14107	5.173	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	10360	5.093	ug/l	96
28) Bromochloromethane	7.16	49	9191	5.066	ug/l #	97
29) Tetrahydrofuran	7.17	42	17362	23.402	ug/l	98
30) Chloroform	7.33	83	18569	5.318	ug/l	98
31) Cyclohexane	7.62	56	15386	4.821	ug/l #	72
32) 1,1,1-Trichloroethane	7.53	97	14720	5.163	ug/l	98
36) 1,1-Dichloropropene	7.76	75	12153	4.932	ug/l	97
37) Ethyl Acetate	6.89	43	11833	5.113	ug/l	96
38) Carbon Tetrachloride	7.74	117	12882	5.179	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	11648	4.001	ug/l	97
40) Benzene	8.00	78	39480	5.052	ug/l	99
41) Methacrylonitrile	7.14	41	5469m	4.972	ug/l	
42) 1,2-Dichloroethane	8.09	62	13693	5.218	ug/l	95
43) Isopropyl Acetate	8.13	43	19329	5.054	ug/l	98
44) Trichloroethene	8.80	130	9654	4.966	ug/l	96
45) 1,2-Dichloropropane	9.09	63	11150	4.936	ug/l	96
46) Dibromomethane	9.18	93	6952	5.327	ug/l	97
47) Bromodichloromethane	9.37	83	14424	5.047	ug/l	99
48) Methyl methacrylate	9.17	41	8728	4.823	ug/l	92
49) 1,4-Dioxane	9.17	88	3364	95.362	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	56539	23.386	ug/l	96
52) Toluene	10.12	92	22698	4.815	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	13596	4.600	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	15082	4.652	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	9697	4.811	ug/l	98
56) Ethyl methacrylate	10.40	69	11454	4.208	ug/l	95
57) 1,3-Dichloropropane	10.68	76	16152	4.826	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	13732	21.049	ug/l	98
59) 2-Hexanone	10.73	43	37554	22.269	ug/l	94
60) Dibromochloromethane	10.87	129	11117	4.984	ug/l	99
61) 1,2-Dibromoethane	10.98	107	9342	4.823	ug/l	95
64) Tetrachloroethene	10.61	164	8916	5.110	ug/l	95
65) Chlorobenzene	11.41	112	25823	4.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	9815	4.734	ug/l	95
67) Ethyl Benzene	11.49	91	40960	4.548	ug/l	99
68) m/p-Xylenes	11.60	106	29347	8.766	ug/l	100
69) o-Xylene	11.92	106	13943	4.337	ug/l	99
70) Styrene	11.94	104	22857	4.143	ug/l	98
71) Bromoform	12.10	173	7976	4.833	ug/l #	95
73) Isopropylbenzene	12.23	105	36752	4.720	ug/l	99
74) N-amyl acetate	12.05	43	12569	4.507	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	14847	5.344	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	12633m	5.641	ug/l	
77) Bromobenzene	12.50	156	10722	5.007	ug/l	97
78) n-propylbenzene	12.57	91	42058	4.739	ug/l	100
79) 2-Chlorotoluene	12.65	91	27187	4.870	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	29708	4.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	3713	4.614	ug/l	92
82) 4-Chlorotoluene	12.75	91	27372	4.816	ug/l	99
83) tert-Butylbenzene	12.97	119	25465	4.584	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	28137	4.487	ug/l	100
85) sec-Butylbenzene	13.15	105	35714	4.757	ug/l	99
86) p-Isopropyltoluene	13.27	119	28923	4.421	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	17729	4.817	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	17821	4.771	ug/l	93
89) n-Butylbenzene	13.59	91	23359	4.231	ug/l	97
90) Hexachloroethane	13.85	117	6966	5.010	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	17677	4.973	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1956	4.988	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	5284	3.402	ug/l	97
94) Hexachlorobutadiene	14.99	225	6574	5.004	ug/l	98
95) Naphthalene	15.10	128	10852	3.132	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	5520	3.539	ug/l	94

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

