

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061126.D
 Acq On : 22 Apr 2020 13:36
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:34:54 PM

Quant Time: Apr 22 15:02:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 14:48:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	197489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	321149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	294421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	139819	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.76	65	14254	5.57	ug/l	0.00
Spiked Amount			Recovery	=	11.14%	
35) Dibromofluoromethane	7.31	113	9746	5.20	ug/l	0.00
Spiked Amount			Recovery	=	10.40%	
50) Toluene-d8	9.88	98	41941	5.75	ug/l	0.00
Spiked Amount			Recovery	=	11.50%	
62) 4-Bromofluorobenzene	12.21	95	15220	5.39	ug/l	0.00
Spiked Amount			Recovery	=	10.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.72	85	8981	4.018	ug/l	99
3) Chloromethane	1.91	50	11616	3.532	ug/l	96
4) Vinyl Chloride	2.03	62	14630	5.071	ug/l	99
5) Bromomethane	2.38	94	7120	4.943	ug/l	99
6) Chloroethane	2.52	64	7590	4.647	ug/l	95
7) Trichlorofluoromethane	2.82	101	16085	4.617	ug/l	99
8) Diethyl Ether	3.18	74	7508	5.301	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.50	101	10930	5.181	ug/l	98
10) Methyl Iodide	3.68	142	14974	7.220	ug/l	99
11) Tert butyl alcohol	4.44	59	8970	20.782	ug/l #	72
12) 1,1-Dichloroethene	3.48	96	10660	5.009	ug/l	99
13) Acrolein	3.35	56	5838	16.257	ug/l	95
14) Allyl chloride	4.03	41	18718	4.825	ug/l	98
15) Acrylonitrile	4.64	53	28037	23.568	ug/l	98
16) Acetone	3.55	43	32817	30.567	ug/l	98
17) Carbon Disulfide	3.78	76	31170	4.685	ug/l	99
18) Methyl Acetate	4.02	43	19918	5.843	ug/l	99
19) Methyl tert-butyl Ether	4.69	73	38569	5.174	ug/l	98
20) Methylene Chloride	4.24	84	12696	5.288	ug/l	95
21) trans-1,2-Dichloroethene	4.69	96	12880	5.594	ug/l	92
22) Diisopropyl ether	5.61	45	40086	4.829	ug/l	95
23) Vinyl Acetate	5.55	43	155786	23.807	ug/l	99
24) 1,1-Dichloroethane	5.51	63	22671	5.028	ug/l	98
25) 2-Butanone	6.51	43	37249	22.403	ug/l	100
26) 2,2-Dichloropropane	6.50	77	20397	5.393	ug/l	100
27) cis-1,2-Dichloroethene	6.50	96	14688	5.572	ug/l	96
28) Bromochloromethane	6.89	49	9534	4.679	ug/l #	99
29) Tetrahydrofuran	6.90	42	26963	23.820	ug/l	98
30) Chloroform	7.08	83	22780	5.352	ug/l	98
31) Cyclohexane	7.37	56	24799	5.396	ug/l #	96
32) 1,1,1-Trichloroethane	7.29	97	20032	5.425	ug/l	99
36) 1,1-Dichloropropene	7.52	75	17437	5.302	ug/l	98
37) Ethyl Acetate	6.61	43	15697	4.431	ug/l	97
38) Carbon Tetrachloride	7.50	117	15047	5.474	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	21695	5.503	ug/l	97
40) Benzene	7.78	78	52032	5.333	ug/l	99
41) Methacrylonitrile	6.87	41	8561m	5.702	ug/l	
42) 1,2-Dichloroethane	7.87	62	18992	5.686	ug/l	97
43) Isopropyl Acetate	7.91	43	29069	5.035	ug/l	100
44) Trichloroethene	8.60	130	15333	6.101	ug/l	98
45) 1,2-Dichloropropane	8.89	63	13635	5.193	ug/l	100
46) Dibromomethane	8.98	93	8453	5.492	ug/l	96
47) Bromodichloromethane	9.18	83	16965	5.262	ug/l	96
48) Methyl methacrylate	8.98	41	13308	5.178	ug/l	95
49) 1,4-Dioxane	8.97	88	4014	128.696	ug/l	97
51) 4-Methyl-2-Pentanone	9.78	43	82596	24.740	ug/l	100
52) Toluene	9.95	92	32429	5.509	ug/l	98
53) t-1,3-Dichloropropene	10.18	75	20692	5.518	ug/l	97
54) cis-1,3-Dichloropropene	9.63	75	21700	5.323	ug/l	94
55) 1,1,2-Trichloroethane	10.36	97	12210	5.470	ug/l	97
56) Ethyl methacrylate	10.24	69	17417	4.990	ug/l	95
57) 1,3-Dichloropropane	10.51	76	20902	5.284	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	45981	27.753	ug/l	99
59) 2-Hexanone	10.55	43	61073	25.297	ug/l	98
60) Dibromochloromethane	10.70	129	12343	5.359	ug/l	99
61) 1,2-Dibromoethane	10.81	107	12479	5.454	ug/l	100
64) Tetrachloroethene	10.43	164	17337	7.291	ug/l	98
65) Chlorobenzene	11.24	112	33362	5.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.31	131	11699	5.366	ug/l	98
67) Ethyl Benzene	11.32	91	62196	5.447	ug/l	99
68) m/p-Xylenes	11.43	106	46610	11.225	ug/l	100
69) o-Xylene	11.76	106	22102	5.536	ug/l	99
70) Styrene	11.77	104	34073	5.302	ug/l	97
71) Bromoform	11.93	173	8059	4.956	ug/l #	98
73) Isopropylbenzene	12.06	105	58951	5.283	ug/l	100
74) N-amyl acetate	11.89	43	25231	4.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.32	83	15771	4.729	ug/l	100
76) 1,2,3-Trichloropropane	12.36	75	18010m	5.763	ug/l	
77) Bromobenzene	12.33	156	14610	5.563	ug/l	100
78) n-propylbenzene	12.40	91	69972	5.377	ug/l	99
79) 2-Chlorotoluene	12.48	91	40717	5.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	50092	5.434	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.11	75	6531	5.221	ug/l #	94
82) 4-Chlorotoluene	12.58	91	42139	5.322	ug/l	100
83) tert-Butylbenzene	12.80	119	41234	5.301	ug/l	96
84) 1,2,4-Trimethylbenzene	12.85	105	49223	5.399	ug/l	99
85) sec-Butylbenzene	12.98	105	55983	5.331	ug/l	99
86) p-Isopropyltoluene	13.10	119	51772	5.521	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	25690	5.514	ug/l	99
88) 1,4-Dichlorobenzene	13.17	146	26461	5.633	ug/l	96
89) n-Butylbenzene	13.43	91	46549	5.359	ug/l	100
90) Hexachloroethane	13.68	117	3347	2.489	ug/l	94
91) 1,2-Dichlorobenzene	13.46	146	23929	5.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.08	75	3343	5.125	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.71	180	15522	5.859	ug/l	98
94) Hexachlorobutadiene	14.82	225	7080	5.307	ug/l	98
95) Naphthalene	14.93	128	47642	6.082	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	14940	5.848	ug/l	99

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

