

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065045.D
 Acq On : 10 Dec 2020 15:13
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:39 PM

Quant Time: Dec 10 16:05:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 14:05:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	185495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	300677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	266416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	12498	5.79	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	11.58%#
35) Dibromofluoromethane	7.55	113	10870	5.95	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	11.90%#
50) Toluene-d8	10.06	98	38339	5.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	10.38%#
62) 4-Bromofluorobenzene	12.38	95	12481	4.74	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	9.48%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	9323	6.013	ug/l 100
3) Chloromethane	2.04	50	11683	5.759	ug/l 97
4) Vinyl Chloride	2.17	62	12242	5.757	ug/l 97
5) Bromomethane	2.53	94	8334	5.972	ug/l 88
6) Chloroethane	2.67	64	7842	5.894	ug/l 95
7) Trichlorofluoromethane	2.99	101	16965	5.698	ug/l 87
8) Diethyl Ether	3.37	74	6169	5.238	ug/l 77
9) 1,1,2-Trichlorotrifluoroet	3.71	101	10529	5.877	ug/l 99
10) Methyl Iodide	3.91	142	10815	4.738	ug/l 99
11) Tert butyl alcohol	4.75	59	7236	22.426	ug/l # 86
12) 1,1-Dichloroethene	3.69	96	9833	5.570	ug/l 94
13) Acrolein	3.56	56	6308	30.528	ug/l 95
14) Allyl chloride	4.27	41	14679	5.034	ug/l 94
15) Acrylonitrile	4.94	53	22561	24.690	ug/l 97
16) Acetone	3.78	43	23505	32.455	ug/l 99
17) Carbon Disulfide	4.01	76	28508	5.664	ug/l 99
18) Methyl Acetate	4.28	43	10482	4.949	ug/l # 73
19) Methyl tert-butyl Ether	4.99	73	28661	5.027	ug/l 96
20) Methylene Chloride	4.50	84	12536	5.678	ug/l 94
21) trans-1,2-Dichloroethene	4.99	96	10311	5.250	ug/l 93
22) Diisopropyl ether	5.90	45	30254	5.137	ug/l # 85
23) Vinyl Acetate	5.84	43	111131	23.757	ug/l 100
24) 1,1-Dichloroethane	5.80	63	19097	5.427	ug/l 99
25) 2-Butanone	6.79	43	29102	25.715	ug/l 94
26) 2,2-Dichloropropane	6.78	77	16433	5.387	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	12288	5.522	ug/l 97
28) Bromochloromethane	7.15	49	8820	5.473	ug/l # 100
29) Tetrahydrofuran	7.17	42	17732	22.907	ug/l 99
30) Chloroform	7.33	83	19438	5.324	ug/l 100
31) Cyclohexane	7.62	56	16936	5.775	ug/l # 78
32) 1,1,1-Trichloroethane	7.53	97	16770	5.372	ug/l 98
36) 1,1-Dichloropropene	7.75	75	13879	5.026	ug/l 98
37) Ethyl Acetate	6.88	43	12828	4.898	ug/l # 90
38) Carbon Tetrachloride	7.73	117	14904	5.179	ug/l 98

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

39) Methylcyclohexane	9.04	83	13538	4.625	ug/l	91
40) Benzene	8.00	78	43788	5.174	ug/l	100
41) Methacrylonitrile	7.13	41	6357	5.035	ug/l #	86
42) 1,2-Dichloroethane	8.08	62	15215	5.320	ug/l	96
43) Isopropyl Acetate	8.13	43	20536	4.842	ug/l	96
44) Trichloroethene	8.80	130	12154	4.888	ug/l	99
45) 1,2-Dichloropropane	9.08	63	11231	5.081	ug/l	90
46) Dibromomethane	9.17	93	7320	4.975	ug/l	94
47) Bromodichloromethane	9.37	83	14976	5.059	ug/l	97
48) Methyl methacrylate	9.16	41	8773	4.330	ug/l	95
49) 1,4-Dioxane	9.17	88	3379	88.425	ug/l #	93
51) 4-Methyl-2-Pentanone	9.95	43	57612	22.649	ug/l	93
52) Toluene	10.12	92	25613	4.901	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	14705	4.481	ug/l	92
54) cis-1,3-Dichloropropene	9.80	75	17417	4.940	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	10953	5.063	ug/l	99
56) Ethyl methacrylate	10.40	69	12246	4.175	ug/l	96
57) 1,3-Dichloropropane	10.68	76	17940	5.061	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	31059	19.208	ug/l	97
59) 2-Hexanone	10.72	43	40134	21.943	ug/l	93
60) Dibromochloromethane	10.87	129	11743	4.905	ug/l	94
61) 1,2-Dibromoethane	10.98	107	10792	4.941	ug/l	100
64) Tetrachloroethene	10.60	164	12809	5.004	ug/l	92
65) Chlorobenzene	11.41	112	28981	5.054	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	10902	5.174	ug/l	96
67) Ethyl Benzene	11.48	91	46190	4.855	ug/l	95
68) m/p-Xylenes	11.59	106	34003	9.386	ug/l	94
69) o-Xylene	11.92	106	16794	4.893	ug/l	98
70) Styrene	11.94	104	25634	4.422	ug/l	98
71) Bromoform	12.10	173	7932	4.738	ug/l #	96
73) Isopropylbenzene	12.22	105	41382	4.970	ug/l	97
74) N-amyl acetate	12.04	43	14159	4.397	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.48	83	14042	5.733	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	13572m	5.324	ug/l	
77) Bromobenzene	12.50	156	11870	5.272	ug/l	92
78) n-propylbenzene	12.56	91	45757	4.842	ug/l	99
79) 2-Chlorotoluene	12.65	91	29667	5.072	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	33408	4.830	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	3783	4.105	ug/l	90
82) 4-Chlorotoluene	12.75	91	30711	5.005	ug/l	99
83) tert-Butylbenzene	12.97	119	27319	4.711	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	33546	4.786	ug/l	100
85) sec-Butylbenzene	13.14	105	36568	4.775	ug/l	99
86) p-Isopropyltoluene	13.26	119	31975	4.587	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	20209	5.051	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	21105	4.990	ug/l	93
89) n-Butylbenzene	13.59	91	26180	4.300	ug/l	98
90) Hexachloroethane	13.85	117	6380	5.239	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	20315	5.169	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2413	4.475	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	7200	3.029	ug/l	98
94) Hexachlorobutadiene	14.98	225	5892	4.861	ug/l	94
95) Naphthalene	15.10	128	16265	2.293	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	5848	2.502	ug/l	99

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

