

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
 Data File : VN061832.D
 Acq On : 16 Jun 2020 17:50
 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
 6/17/2020 3:44:52 PM

Quant Time: Jun 17 01:04:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	144070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	257608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	237763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	103298	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	10161	5.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.68%	
35) Dibromofluoromethane	7.55	113	8469	6.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.46%	
50) Toluene-d8	10.06	98	31788	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
62) 4-Bromofluorobenzene	12.38	95	10535	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	6451	4.151	ug/l 96
3) Chloromethane	2.03	50	9067	5.012	ug/l 98
4) Vinyl Chloride	2.16	62	11924	4.918	ug/l 96
5) Bromomethane	2.52	94	10488	7.207	ug/l 98
6) Chloroethane	2.66	64	8351	5.304	ug/l 91
7) Trichlorofluoromethane	2.98	101	13932	4.515	ug/l 98
8) Diethyl Ether	3.37	74	5126	5.310	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	8233	5.867	ug/l 95
10) Methyl Iodide	3.91	142	5221	2.786	ug/l 97
11) Tert butyl alcohol	4.72	59	7369m	31.267	ug/l
12) 1,1-Dichloroethene	3.69	96	7403	4.965	ug/l 93
13) Acrolein	3.57	56	4720	45.092	ug/l 96
14) Allyl chloride	4.27	41	9980	5.121	ug/l 98
15) Acrylonitrile	4.93	53	16945	26.258	ug/l # 87
16) Acetone	3.78	43	15653	25.427	ug/l 99
17) Carbon Disulfide	4.01	76	19711	5.694	ug/l 95
18) Methyl Acetate	4.28	43	8906	5.658	ug/l # 76
19) Methyl tert-butyl Ether	4.99	73	25660	5.086	ug/l 97
20) Methylene Chloride	4.50	84	10402	4.871	ug/l 92
21) trans-1,2-Dichloroethene	4.98	96	8592	5.095	ug/l 90
22) Diisopropyl ether	5.90	45	23244	5.427	ug/l 92
23) Vinyl Acetate	5.85	43	87426	25.647	ug/l 97
24) 1,1-Dichloroethane	5.80	63	15872	5.804	ug/l 97
25) 2-Butanone	6.79	43	20940	25.463	ug/l 93
26) 2,2-Dichloropropane	6.78	77	12954	5.226	ug/l 86
27) cis-1,2-Dichloroethene	6.78	96	10129	5.339	ug/l 98
28) Bromochloromethane	7.15	49	6676	5.588	ug/l # 99
29) Tetrahydrofuran	7.17	42	13853	25.603	ug/l 99
30) Chloroform	7.33	83	16464	5.482	ug/l 100
31) Cyclohexane	7.62	56	14289	5.857	ug/l # 86
32) 1,1,1-Trichloroethane	7.53	97	13944	5.143	ug/l 99
36) 1,1-Dichloropropene	7.75	75	11379	4.934	ug/l 97
37) Ethyl Acetate	6.88	43	8808	4.791	ug/l 98
38) Carbon Tetrachloride	7.73	117	12301	5.538	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	11442	4.093	ug/l	93
40) Benzene	8.00	78	36580	5.154	ug/l	97
41) Methacrylonitrile	7.13	41	4004	4.755	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	12406	5.199	ug/l	100
43) Isopropyl Acetate	8.12	43	15418	4.675	ug/l #	88
44) Trichloroethene	8.80	130	9611	4.545	ug/l	94
45) 1,2-Dichloropropane	9.09	63	9344	5.509	ug/l	99
46) Dibromomethane	9.17	93	6358	4.948	ug/l	95
47) Bromodichloromethane	9.37	83	12944	5.084	ug/l	97
48) Methyl methacrylate	9.17	41	6971	4.681	ug/l	97
49) 1,4-Dioxane	9.17	88	3192	127.499	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	45194	24.221	ug/l	99
52) Toluene	10.12	92	22492	4.872	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	13128	4.791	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	13942	4.712	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	9068	4.940	ug/l	99
56) Ethyl methacrylate	10.40	69	10392	4.085	ug/l	98
57) 1,3-Dichloropropane	10.68	76	15496	5.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	22058	20.622	ug/l	100
59) 2-Hexanone	10.72	43	30295	22.606	ug/l	96
60) Dibromochloromethane	10.87	129	9801	4.748	ug/l	100
61) 1,2-Dibromoethane	10.98	107	9504	4.986	ug/l	100
64) Tetrachloroethene	10.60	164	7898	3.712	ug/l	95
65) Chlorobenzene	11.41	112	25755	5.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	9009	4.909	ug/l	93
67) Ethyl Benzene	11.48	91	40666	4.735	ug/l	97
68) m/p-Xylenes	11.60	106	31567	9.303	ug/l	100
69) o-Xylene	11.92	106	14859	4.605	ug/l	99
70) Styrene	11.94	104	23410	4.376	ug/l	98
71) Bromoform	12.10	173	5862	4.191	ug/l #	99
73) Isopropylbenzene	12.22	105	38559	5.080	ug/l	100
74) N-amyl acetate	12.05	43	11037	4.612	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	13067	6.050	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	12311m	6.476	ug/l	
77) Bromobenzene	12.50	156	9948	5.183	ug/l	98
78) n-propylbenzene	12.57	91	42271	4.978	ug/l	99
79) 2-Chlorotoluene	12.65	91	26197	5.176	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	31420	4.960	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	3460	4.686	ug/l	88
82) 4-Chlorotoluene	12.75	91	26349	4.956	ug/l	99
83) tert-Butylbenzene	12.97	119	27112	4.868	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	30245	4.806	ug/l	97
85) sec-Butylbenzene	13.15	105	35121	4.891	ug/l	99
86) p-Isopropyltoluene	13.26	119	30047	4.557	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	17104	4.997	ug/l	96
88) 1,4-Dichlorobenzene	13.34	146	18196	5.224	ug/l	94
89) n-Butylbenzene	13.59	91	23621	4.289	ug/l	98
90) Hexachloroethane	13.85	117	5740	7.166	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	18069	5.516	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2019	4.701	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6889	3.717	ug/l	93
94) Hexachlorobutadiene	14.98	225	3236	4.106	ug/l	95
95) Naphthalene	15.10	128	17730	3.182	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	6582	3.611	ug/l	99

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

