

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064932.D
 Acq On : 4 Dec 2020 20:31
 Operator : JC/MD
 Sample : L4954-17MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:46:08 AM

Quant Time: Dec 05 03:34:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	223566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	353657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	322348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	153426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	127743	49.15	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.30%
35) Dibromofluoromethane	7.55	113	114387	54.05	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.10%
50) Toluene-d8	10.06	98	468793	54.22	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.44%
62) 4-Bromofluorobenzene	12.37	95	154784	50.02	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76478	39.471	ug/l	98
3) Chloromethane	2.04	50	103475	41.096	ug/l	99
4) Vinyl Chloride	2.17	62	108461	41.317	ug/l	97
5) Bromomethane	2.53	94	70725	41.065	ug/l	99
6) Chloroethane	2.67	64	68952	42.468	ug/l	100
7) Trichlorofluoromethane	2.99	101	161514	44.510	ug/l	99
8) Diethyl Ether	3.38	74	65485	45.719	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	103002	47.318	ug/l	98
10) Methyl Iodide	3.91	142	112178	39.730	ug/l	96
11) Tert butyl alcohol	4.74	59	99185	244.698	ug/l	99
12) 1,1-Dichloroethene	3.69	96	99193	45.755	ug/l	99
13) Acrolein	3.57	56	37117	149.915	ug/l	95
14) Allyl chloride	4.27	41	167503	46.845	ug/l	98
15) Acrylonitrile	4.93	53	280640	250.627	ug/l	99
16) Acetone	3.78	43	221937	259.758	ug/l	98
17) Carbon Disulfide	4.01	76	242824	43.381	ug/l	99
18) Methyl Acetate	4.28	43	120910	47.069	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	352124	50.643	ug/l	# 1
20) Methylene Chloride	4.50	84	120629	45.056	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	108524	45.078	ug/l	95
22) Diisopropyl ether	5.91	45	355584	49.684	ug/l	98
23) Vinyl Acetate	5.85	43	1366075	238.690	ug/l	100
24) 1,1-Dichloroethane	5.80	63	207673	48.553	ug/l	99
25) 2-Butanone	6.79	43	340328	245.720	ug/l	97
26) 2,2-Dichloropropane	6.78	77	163011	43.942	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	130823	48.291	ug/l	98
28) Bromochloromethane	7.15	49	97103	49.625	ug/l	98
29) Tetrahydrofuran	7.17	42	224036	234.330	ug/l	98
30) Chloroform	7.33	83	210782	47.787	ug/l	99
31) Cyclohexane	7.61	56	444217	122.626	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	179198	47.302	ug/l	99
36) 1,1-Dichloropropene	7.75	75	152438	46.503	ug/l	99
37) Ethyl Acetate	6.88	43	135255	42.834	ug/l	100
38) Carbon Tetrachloride	7.73	117	158569	46.490	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1573351	445.856	ug/l	97
40) Benzene	8.00	78	472801	47.068	ug/l	100
41) Methacrylonitrile	7.12	41	78847	54.116	ug/l #	78
42) 1,2-Dichloroethane	8.09	62	155265	45.819	ug/l	81
43) Isopropyl Acetate	8.13	43	282903	55.678	ug/l	94
44) Trichloroethene	8.80	130	128262	43.276	ug/l	100
45) 1,2-Dichloropropane	9.08	63	139582	53.658	ug/l	99
46) Dibromomethane	9.17	93	83627	48.120	ug/l	98
47) Bromodichloromethane	9.37	83	170791	48.842	ug/l	100
48) Methyl methacrylate	9.16	41	122325	50.383	ug/l	97
49) 1,4-Dioxane	9.17	88	43479	947.507	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	728801	238.921	ug/l	98
52) Toluene	10.12	92	298438	48.243	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	185160	47.541	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	201032	48.155	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	116749m	45.895	ug/l	
56) Ethyl methacrylate	10.40	69	239588	68.252	ug/l #	83
57) 1,3-Dichloropropane	10.68	76	202937	48.362	ug/l	99
59) 2-Hexanone	10.72	43	548350	249.782	ug/l	99
60) Dibromochloromethane	10.87	129	136636	48.321	ug/l	99
61) 1,2-Dibromoethane	10.98	107	123619	47.832	ug/l	100
64) Tetrachloroethene	10.60	164	127144	40.542	ug/l	98
65) Chlorobenzene	11.41	112	328303	47.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	125203	49.215	ug/l	99
67) Ethyl Benzene	11.48	91	582089	50.335	ug/l	99
68) m/p-Xylenes	11.59	106	435888	99.556	ug/l	98
69) o-Xylene	11.92	106	208254	50.124	ug/l	98
70) Stvrene	11.94	104	359202	51.212	ug/l	99
71) Bromoform	12.10	173	95784	47.141	ug/l #	100
73) Isopropylbenzene	12.22	105	934046	87.524	ug/l	100
74) N-amyl acetate	12.04	43	214148	50.990	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	165166	52.803	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	142312m	43.071	ug/l	
77) Bromobenzene	12.50	156	144993	50.395	ug/l	97
78) n-propylbenzene	12.56	91	1090464	89.696	ug/l	98
79) 2-Chlorotoluene	12.65	91	368612	49.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	463958	52.304	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	53661	44.511	ug/l	94
82) 4-Chlorotoluene	12.75	91	387803	49.232	ug/l	100
83) tert-Butylbenzene	12.97	119	406860	54.721	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	479491	53.463	ug/l	99
85) sec-Butylbenzene	13.14	105	606826	61.471	ug/l	98
86) p-Isopropyltoluene	13.26	119	471165	52.424	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	248582	48.630	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	249724	46.195	ug/l	99
89) n-Butylbenzene	13.59	91	438387	55.542	ug/l	97
90) Hexachloroethane	13.85	117	101165	64.794	ug/l	81
91) 1,2-Dichlorobenzene	13.62	146	246846	49.181	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	32944	46.808	ug/l	93
93) 1,2,4-Trichlorobenzene	14.88	180	148649	47.876	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	68992	49.350	ug/l	99
95) Naphthalene	15.10	128	810761	87.162	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	146770	49.750	ug/l	95

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

