

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059586.D
 Acq On : 13 Dec 2019 16:22
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:48:51 PM

Quant Time: Dec 13 17:39:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	260146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	420665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	382536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	74952	20.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.12%	
35) Dibromofluoromethane	7.57	113	52366	20.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.00%	
50) Toluene-d8	10.08	98	204648	19.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.98%	
62) 4-Bromofluorobenzene	12.40	95	72192	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	61618	19.921 ug/l	98
3) Chloromethane	2.04	50	98124	20.718 ug/l	100
4) Vinyl Chloride	2.17	62	93938	20.331 ug/l	100
5) Bromomethane	2.54	94	54472	19.290 ug/l	99
6) Chloroethane	2.68	64	55215	20.144 ug/l	99
7) Trichlorofluoromethane	2.99	101	104242	18.947 ug/l	98
8) Diethyl Ether	3.39	74	32031	17.117 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	51203	18.033 ug/l	99
10) Methyl Iodide	3.92	142	67938	17.507 ug/l	99
11) Tert butyl alcohol	4.75	59	62658	99.289 ug/l	99
12) 1,1-Dichloroethene	3.71	96	49304	17.762 ug/l	99
13) Acrolein	3.58	56	47587	132.261 ug/l	97
14) Allyl chloride	4.29	41	96865	18.191 ug/l	99
15) Acrylonitrile	4.95	53	157507	96.873 ug/l	99
16) Acetone	3.79	43	210161	114.439 ug/l	97
17) Carbon Disulfide	4.03	76	159592	15.655 ug/l	98
18) Methyl Acetate	4.29	43	84057	18.385 ug/l	99
19) Methyl tert-butyl Ether	5.01	73	176147	19.109 ug/l	100
20) Methylene Chloride	4.52	84	57948	16.474 ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	54520	18.360 ug/l	97
22) Diisopropyl ether	5.92	45	191636	18.913 ug/l	97
23) Vinyl Acetate	5.86	43	790140	94.151 ug/l	99
24) 1,1-Dichloroethane	5.82	63	108611	18.858 ug/l	98
25) 2-Butanone	6.81	43	249474	104.729 ug/l	99
26) 2,2-Dichloropropane	6.80	77	97326	18.692 ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	62177	18.590 ug/l	98
28) Bromochloromethane	7.17	49	47453	25.301 ug/l	98
29) Tetrahydrofuran	7.18	42	150572	92.641 ug/l	99
30) Chloroform	7.35	83	107121	18.860 ug/l	97
31) Cyclohexane	7.63	56	98193	17.539 ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	94440	18.734 ug/l	99
36) 1,1-Dichloropropene	7.77	75	81300	18.550 ug/l	99
37) Ethyl Acetate	6.90	43	93559	20.484 ug/l	99
38) Carbon Tetrachloride	7.75	117	83334	19.239 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	88778	18.079	ug/l	97
40) Benzene	8.02	78	237227	18.908	ug/l	99
41) Methacrylonitrile	7.16	41	41685m	19.487	ug/l	
42) 1,2-Dichloroethane	8.10	62	90131	19.243	ug/l	100
43) Isopropyl Acetate	8.14	43	144147	18.982	ug/l	100
44) Trichloroethene	8.82	130	60992	19.183	ug/l	98
45) 1,2-Dichloropropane	9.10	63	62780	18.901	ug/l	98
46) Dibromomethane	9.19	93	41361	18.791	ug/l	99
47) Bromodichloromethane	9.39	83	84033	19.245	ug/l	99
48) Methyl methacrylate	9.18	41	63963	19.186	ug/l	99
49) 1,4-Dioxane	9.18	88	20161	452.124	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	453306	102.674	ug/l	99
52) Toluene	10.15	92	141991	18.965	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	94826	18.615	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	100760	19.298	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	56976	18.812	ug/l	99
56) Ethyl methacrylate	10.42	69	83147	18.576	ug/l	99
57) 1,3-Dichloropropane	10.70	76	99771	19.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	162284	114.487	ug/l	100
59) 2-Hexanone	10.74	43	357138	106.739	ug/l	99
60) Dibromochloromethane	10.90	129	61368	18.690	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59130	18.781	ug/l	99
64) Tetrachloroethene	10.63	164	59259	19.964	ug/l	98
65) Chlorobenzene	11.43	112	150472	18.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	56840	18.627	ug/l	98
67) Ethyl Benzene	11.51	91	274379	18.695	ug/l	99
68) m/p-Xylenes	11.62	106	202128	37.177	ug/l	99
69) o-Xylene	11.94	106	96291	18.968	ug/l	100
70) Styrene	11.96	104	149059	17.731	ug/l	97
71) Bromoform	12.12	173	41946	17.731	ug/l #	95
73) Isopropylbenzene	12.25	105	254551	18.461	ug/l	99
74) N-amyl acetate	12.07	43	118813	19.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	81633	17.740	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83113m	17.908	ug/l	
77) Bromobenzene	12.52	156	61798	18.272	ug/l	99
78) n-propylbenzene	12.59	91	304187	18.148	ug/l	99
79) 2-Chlorotoluene	12.67	91	180347	18.026	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	217285	18.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31515	17.934	ug/l	98
82) 4-Chlorotoluene	12.77	91	185645	18.217	ug/l	99
83) tert-Butylbenzene	12.99	119	181318	18.671	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	214823	18.668	ug/l	100
85) sec-Butylbenzene	13.17	105	242919	18.259	ug/l	99
86) p-Isopropyltoluene	13.29	119	218365	18.396	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	110875	17.889	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	110106	18.182	ug/l	100
89) n-Butylbenzene	13.62	91	199976	17.872	ug/l	98
90) Hexachloroethane	13.87	117	40898	18.644	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	109211	18.706	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19544	16.750	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65171	16.411	ug/l	99
94) Hexachlorobutadiene	15.01	225	36503	18.207	ug/l	98
95) Naphthalene	15.13	128	190679	16.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	63526	15.565	ug/l	100

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

